



MISSION CRIME FREE BHARAT

National Technical Research & Development Committee, CFB India

An National Police Mission under MSG's crime Free Bharat

NTRDC PROJECT ROADMAP

Project Period: – [02 01] to Till Date [2020]]

Tentative Date: 01 August, 2021

Order Number: [NTRDC/CFB/04/04]

Project Start Date and End Date: [08 20, 2021] to [10 22, 2021]

Approved by: National Execution Committee, CFB India

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SCOPE OF PROJECT

This document was produced for review by the National Execution Committee (CFB, India).

PROJECT OVERVIEW/SUMMARY

Project Name	Enhancing The Strategies For Resolving Crimes in The Police
Project Start Date and End Date	20th August, 2021 to 22nd October 2021
Name of Committee	National Technical Research & Development Committee, Crime Free Bharat, India.
Total No of Interns Onboarded	400 (Approx.)
Major Counterpart Organizations (if applicable)	
Name of Person undertaking by (if applicable)	Sh. Maithili Sharan Gupta (Presidents, Crime Free Bharat) [Former DGP of Bhopal, MP, Police Reforms]
Reporting Period	3 Months

1 Project Description/Introduction

The project Enhancing The Strategies For Resolving Crimes in The Police is a project undertaken by NTRDC, CFB India. This project consists of several scopes or domains including crime window, railway crime, local street crime, cyber crimes, Frauds related to Money etc. This project would help to enhance the way of resolving by using the latest emerging technologies. It could be artificial intelligence, cloud development, android development, and implementation of web portals on the internet for public access.

2 Scope of Project:

- Transforming Policing in Railway Domain with GRP Help App and Investigation Support System
- Development of CFB Crime Portal [An Enhanced Web Portal]
- Investigations of several Crime Head in the Department of National Threat Intelligence Response Team, CFB India.

3. Sub-Scopes of the Project:

- Web Development
- Android Development
- Geo-Fencing Implementation in Railway Domain using CFB help App
- Cloud Development/Deployment
- Implementation of Artificial Intelligence/ Neural Networks in keyword analysis while observing the Brief facts of E-FIR/LR/NCR/FIR.
- Database development
- Cyber/Computer/Digital Forensics investigations in several crime window.
- Documentation of project
- Content Writing/ Graphics Designing
- Research & Development - National R&D Committee, CFB India.
- Digital Marketing - National Media & Publicity Committee, CFB India.
- Other scopes would approved by NTRDC, CFB.

2.1 Transforming Policing in Railway Domain with GRP Help App and Investigation Support System

- Challenges of railway crimes
 - Exact place of crime is not known
 - Reporting crime in running train is a great challenge
 - Complexity on account of mobility of victim, co-passenger, offenders and railway staff
 - Evidences, if not captured on board, will be permanently lost
 - FIR shuttles between state/ Police stations with jurisdiction issues
 - Lack of proper coordination mechanism between response and investigation domains
 - Lack of supply of information for effective investigation:
 - – Current/ historic location of trains –
 - Provisioning of passenger dumps/ IRCTC reservation dumps – Provisioning of CCTV footage.
- GRP Help App & its features:
 - Internet neutral: uses two gateways: internet & SMS
 - Seamlessly functioning across the country
 - The first version of the App was inaugurated on 17th January 2015 by then home minister Mr Babu Lal Gaur
 - It is uploaded on the server of MP State Data Centre, Which is having state of the art infrastructure & security features

- All state GRP Chiefs and officers are on board with access credentials
- Assured Quality Response:
 - State GRPs have been integrated and are in partnership to provide assured quality response across the country.
 - Crime and other events are notified through SMS on their mobile and internet to their portal
 - State GRP Control Room of respective state nominate the responder and monitors its quality and effectiveness
 - Response Monitoring System at Bhopal fill the gap in case of any deficiency.
- Reporting of Crimes:
 - Reporting of SOS (Emergency Help), Crimes, Suspicious Persons and Objects
 - Provision of facilitation in reporting through Co-passengers, GRP, RPF and Railway Staff.
 - Integration of information received from other sources:
 - 1512 All India GRP Helpline
 - Landlines, Police Helpline 100, RPF Help Line 182
 - WhatsApp, Facebook and Twitter
 - In case of emergency press SOS Button over the CFB Help App.
 - Reporting a Crime Through CFB help App:
 - Suspicious Person - Identify a suspected person.
 - Crime - Head of Crime.
 - Name of Passenger/Victim - XYZ
 - Address of Passenger/Victim - XYZ, DL
 - Email Address(Optional)
 - --SELECT SUSPICIOUS PERSON--
 - --SELECT CRIME TYPE--
 - Report
 - Type a full Brief Fact about the incident - XYZ
 - Attach Media - Attached
 - From Running Train - Approaching New Delhi (NDLS).
 - From Station - Nizamuddin (NZ-DL)
 - Last Station - NDLS)
 - Next Station - Rewari, HR
 - Feedback On - Yes
 - Your Reports

- Running Train Staff
 - GRP (Govt Railway Police)
 - RPF (Railway Police Force)
- --SELECT TYPE OF CRIME-- For Ex. Crime pickpocketing 24/08/2021 7:28:35 AM
- Message - Received to GRP, RPF
- --SELECT TYPE OF CRIME-- For Ex. Crime purse snatching
- Name of Passenger/Victim - XYZ
- Suspicious Object - unattended bag 25/08/2021 2:28:46 PM
- Mobile No enlist [+91 97180****]
- Email Address(Optional)
- Suspicious Person: there are few rowdy persons on platform 2 Nizamuddin Station. > I am feeling insecure. 24/08/2021 2:26:32 PM
- From Running Train - Approaching Rewari, HR
- From Station - NDLS
- Last Station - UDZ - Udaipur RJ
- Crime pickpocketing has taken place on platform 1 at Nizamuddin Railway Station New Delhi. On 24/08/2021 2:21:59 PM
- Next Station - NDLS
- Train Name - Mewar Exp
- Train No - 12692
- Coach No - S3
- Berth No - 13
- --SELECT COACH TYPE--
- Select Observation Type

- New Apps for Supervision & Monitoring:
 - Supervisory App
 - Responder/ Investigator App
 - Railway Staff Support App
 - Railway Passengers
 - Volunteer App
 - Four Levels in Supervisory App
 - Four levels will have specialized features befitting to their level:--
 - SHO : GRP Police Station Level
 - CO: Circle Officer Level
 - SRP: Railway Police
 - District Level
 - State GRP Chief: State

- Level Officers
- Gourav Singh
- SHO - Gwalior
- Staff A
- Unallocated Cases - 15
- Response Domain - 10/20
- Shridhar
- Gaurav Chan..
- Tukaram
- Investigation Domain - 10/45
- OTHER OPTIONS
- Mahesh Daksh
- Raj Kumar
- Nirupama Yad..
- Train ETA
- WIP
- Closed Cases
- Recent
- Ramadhar Tiwari
- Vishwajeet
- Arshad Khan
- "Bag Stolen from General Coach while Train was at Surat Station..."
- Suspicious Person, 10:12 AM
- "Bag Stolen from General Coach while Train was at Surat Station..."
- Train Arrived
- Officer Assigned
- Crime 11 - 10:12 AM "Bag Stolen from General Coach while Train was at Surat Station..."
- Officer has been successfully assigned
- Suspicious Object 12 - 10:12 AM
- "Bag Stolen from General Coach while Train was at Surat Station..."
- OK
- Staff
- Reports
- Crime - 10:12 AM
- "Bag Stolen from General Coach while Train was at Surat Station..."
- Crime
- "Bag Stolen from General Coach while Train was at
- All Records
- Contact Us

- Setting
 - 8:48 pm
- Responder/ Investigator App
 - Actions before arrival of the train:
 - – Talking to Victims – Talking to Critical
 - Passengers – Talking to TTEs and Railway Staff
 - Background activity to requisition VLR,
 - PSTN data, CDRs, CCTV footage, passenger dumps etc
 - Train arrival and boarding
 - Actions after boarding of the train:
 - – Zero FIR – Identification of suspects through victim/ critical passengers – Intelligent photo identification system – Creation of portrait of
 - Suspects through App
 - Permission to detrain after completion of work
 - 4G/VoIT/3G
 - Investigate - 5:36 PM
 - new.Crime Investigation. ***
 - ...
 - Prashu Bharalya - 1 February, 8:48 pm
 - Prashūn Bharalya
 - Media Attached - 27 photos • 1 February 2021 - 130
 - 8.48 pm
 - Preview : Crime Investigation - 12:30
 -
 - BY KOLICA -
 - + Add Witness
 - Name of Witness
 - Witness mobile no.
 - Get OTP
 - Enter OTP
 - Verify
 - PNR no. of witness
 - Gender of witness
 - -- SELECT--
 - Father/Husband name
 - Age
 - Investigate smart with GRP Investigation App
 - Record Statement
 - Witness Photo
 - Add Witness
 - 7207 PM
 - ...0-101 4G H
 - SG
 - Prashu Bharalya 1 February, 8:48 pm

- Prashu Bharalya 27 photos • 1 February 2021 8:48 pm
- Preview : Crime Investigation... - I 12:30
- Reports
- No. You can't detrain.
- Complaint No. 0456
- Train No: 21652
- Train Name: Avantika Express Complainant
- Name: Virdas
- Crime Type : Burglary
- Contact : 897x0000X
- Previous Station : ABC
- Next Station : ABC
- Witnesses :
- Name : Ram Shankar Nikumbh
- Investigation still left!!
- View Details
- Name : Ram Shankar Nikumbh
- OK
- View Details
- Person
- Object
- Photographs :
- Recordings :

- Railway Staff Support App:
 - SOS button: with context specific helps features
 - Railway Staff may convey suspicious persons and activities
 - Proactive Display of Criminals
 - Active on specific portion of the track: If any one sited concerned photo may be tapped for initiating background actions
 - Home
 - In case of emergency press SOS
 - SOS
 - Report Suspicious Activities
 - View Suspected Criminals
 - Contact Us
 - Useful Tips and Information
 - Your Reports
 - Feedback
 - GRP Help App Copyright 2019-21

- Railway Passenger Volunteer App
 - Registration of volunteers and areas for their contribution
 - Captures their journey details at the time of boarding
 - Volunteers present in the train would receive notification for rendering help/ assistance
 - Empowered as special police officer

- Investigation Support from Railway Board
 - Historic/ Current location of the trains for investigation purpose
 - Passenger dump and IRCTC reservation dump for investigation purpose
 - CCTV footage requisitioned through Artificial Intelligence and Machine Learning

- Awareness of Powerful Apps
 - Railway website
 - Hoardings/ posters Leaflets/ pamphlets
 - Stickers on the line of Swatchhta Abhiyan
 - Railway tickets
 - Announcements
 - Special apron for Responder teams with intent to generate awareness

- Five Pronged Strategy for Transformation
 - Certainty of Cognizance: Ensuring cognizance of Crimes using various technical options
 - Certainty of Detection: Identifying and capturing infallible digital and non digital evidences wherever they might be sitting using technology, big data and human resources (largely involving community) through police volunteers, observers and others
 - Certainty of Conviction: Detecting majority offences with vast and all inclusive evidences virtually making it possible to get conviction in the majority of the offences
 - Predictive Analysis for prevention of crimes
 - Rehabilitation of population having dependency on crimes (Thus preventing/ minimizing compulsive crime).

- Support from MHA & BPRD
 - Recognition of the initiative Facilitation for active involvement of all the stakeholders
 - Active role in generating awareness
 - Pressing the railway board to provide necessary information seamlessly so that on board investigation could be supported and no evidence would be allowed to be lost.

- Let us join hands and collaborate
 - Be on the side of victim and passenger security
 - Let us not contribute in perpetuation of crimes directly or indirectly
 - Let us collaborate in best possible way using power of technology coupled with zeal, dynamism and leadership
 - Let us unfold Team GRP India in true sense

- Development of CFB Crime Portal [An Enhanced Web Portal for reporting crime online]
 - Web Portal Should be made in any specific or preferred programming language that is emerging.
 - Reporting scenario:
 - Initially a FIR/E-FIR/NCR should be lodged via CFB Help app or CFB Crime Reporting Portal itself and after lodging a complaint it should go to NCRB [National Crime Records Bureau] databases.
 - Then Our portal would recognize the Head of the complaint, according to the complaint head it should be dumped into the CFB databases for further processing like keywords analysis, applying sections over the complaint, and send it to National Legal Committee, CFB India for further action to take over the complaints.
 - Finally, a final report would be generated through our CFB Crime Portal and would be sent to the nearby PS, Crime Dept. Jurisdiction wise.
 - then a complainant could be able to track his/him complaint from our portal.
 - For doing so, we can implement the latest smart technologies for enhancing our portal functionality to make it user-friendly.

- Investigations of several Crime Head in the Department of National Threat Intelligence Response Team, CFB India.
 - At this stage we could be able to solve the Crime manually if PS, Crime Dept deny!
 - We would have. Proper investigation Team which is named as **CFB Investigation Team**.
 - This team would help the people to solve their problems.
 - Investigation team would be responsible for reporting the crime to the CFB portal and they will provide a final report to the NLC, NEC and other administrations.

- Transforming Policing in the Railway domain with the help of **Geo-Fencing**.
 - We have gone through a unique approach to decreasing the crimes in the railway domain.
 - Geo-Fencing is the technique where we can plot the complete network of the railway over a custom map. Like online e-commerce websites used in daily life for ex. Zomato, Ola Cabs, Rapido, Swiggy etc.
 - We have to plot the fencing of the railway network over a map so that we could easily track a live location of a running train through the CFB Help App.
 - There are so many different approaches available even we can go with anyone of these.

4 Summary of Project Results

Project Activities	Outputs			Remarks
	Completed	Partial Progress	No Progress	
<i>Development of Web Portal</i>	Some part website has been completed	Essential features have been engaged	Reporting features have not implemented	
Development of CFB Help App	Basis part of Android have done	Major Problem statement not done yet	Reporting features have not engaged	
Onboarding Status of the Interns	Done	Not applicable	Not Applicable	
Onboarding Status of the Volunteers	Done	Waiting for the approval	Not Applicable	
1.1 Remarks	NA	NA	NA	
1.2 Remarks	NA	NA	NA	
1.3 Remarks	NA	NA	NA	
1.4 Other remarks if any.	NA	NA	NA	

5. CONCLUSIONS

- We're providing the opportunities to the youth who are interested to work for the Nation and we don't have any type of agreement or bond for such kind of work to be done.
- Anybody from any department can put their efforts into making India Crime Free.
- NTRDC is responsible for all kind of programs and have proper permissions from the National Execution Committee, CFB India.

शे.मि.शरन गुप्त



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