ARMY GROUP INSURANCE FUND

APPLICATION FORM :CAR / TWO WHEELER ADVANCE

1. Type of Loan	Car	2. Army Number	IC68667867X
3.Old Army No	IC68667867X	4.Rank	Col
5. Name	John Doe	6. Date of Birth	11-07-1989
7. DOE/DOC	04-07-2018	8.Date of Retirement	11-07-2043
9. Mobile No	9876543210	10. Email ID	johndoe@example.com
11. Regt/Corps	11GR	12. PCDA(O)/PAO(OR)	test37
13.PCDA(O) Acct No	99/999/999999A	14. Pan Card	ABCDE1234F
15. Aadhaar Card No	1234 5678 9012	16. Parent Unit	Army Software Developer Center
17. Present Unit	Army Software Developer Center	18.Unit Pin	645654
19. Unit Address	c/o 56 APO	20. Civil Postal Address	Test
21. Fmn HQ	Next FMN HQ 1	22. Date of Prom	
23. Permt Home Address	Demo Village, Demo Post Office, Demo District, Demo State, 123456		
22. Dealer Name	ABC Motors	23. Model Name	Sedan Model 2025
24.Vehicle Cost	900000	25. Vehicle Type	New Car
26. Loan Amt Reqd:	800000.00	27. Loan Frequency	1
28.Salary Acct No	12345678901234567	29. Bank IFSC Code	HDFC0001234

30. I state and certify that:

(a) I have read the instr / rules regulating the grant of loan to AGIF members for purchase of four / two wheeler and agree to abide by the terms and conditions stipulated therein from time to time. I agree to pay the one-time non-refundable insurance premium and abide by its terms and conditions.

(b) I shall refund in one lump sum the full loan together with interest outstanding thereon, in case, I wish to sell the vehicle. The vehicle will be kept comprehensively insured from the date of its purchase till the loan together with interest, is fully repaid to AGIF. I will not use the vehicle for commercial purpose.

(c) Attested copy of **RC, Insurance, Bill / Invoice and Cash Receipt from Dealer** will be submitted within 180 days of sanction of loan. I shall refund the loan in one lump-sum with interest in the event of my failure to purchase the vehicle or to produce relevant documents of purchase within the stipulated time **180 days**, failing which I authorise MD, AGIF to effect recovery of the entire outstanding amount together with additional interest of 2% for default period, through my IRLA.

31. I further agree that:

(a) If, at any time, it is found that I have obtained Car / Two Wheeler Loan from AGIF by misrepresentation, misstatement or fraud.

(b) I will ensure that I will maintain adequate credit in my IRLA during the duration of repayment of complete loan instalments.

(c) I will repay the loan amount with interest by monthly deductions from my salary.

(d) In case the vehicle for which loan has been obtained meets with an accident.

(e) In the event of my becoming non-effective / retirement / dismissal / premature retirement.
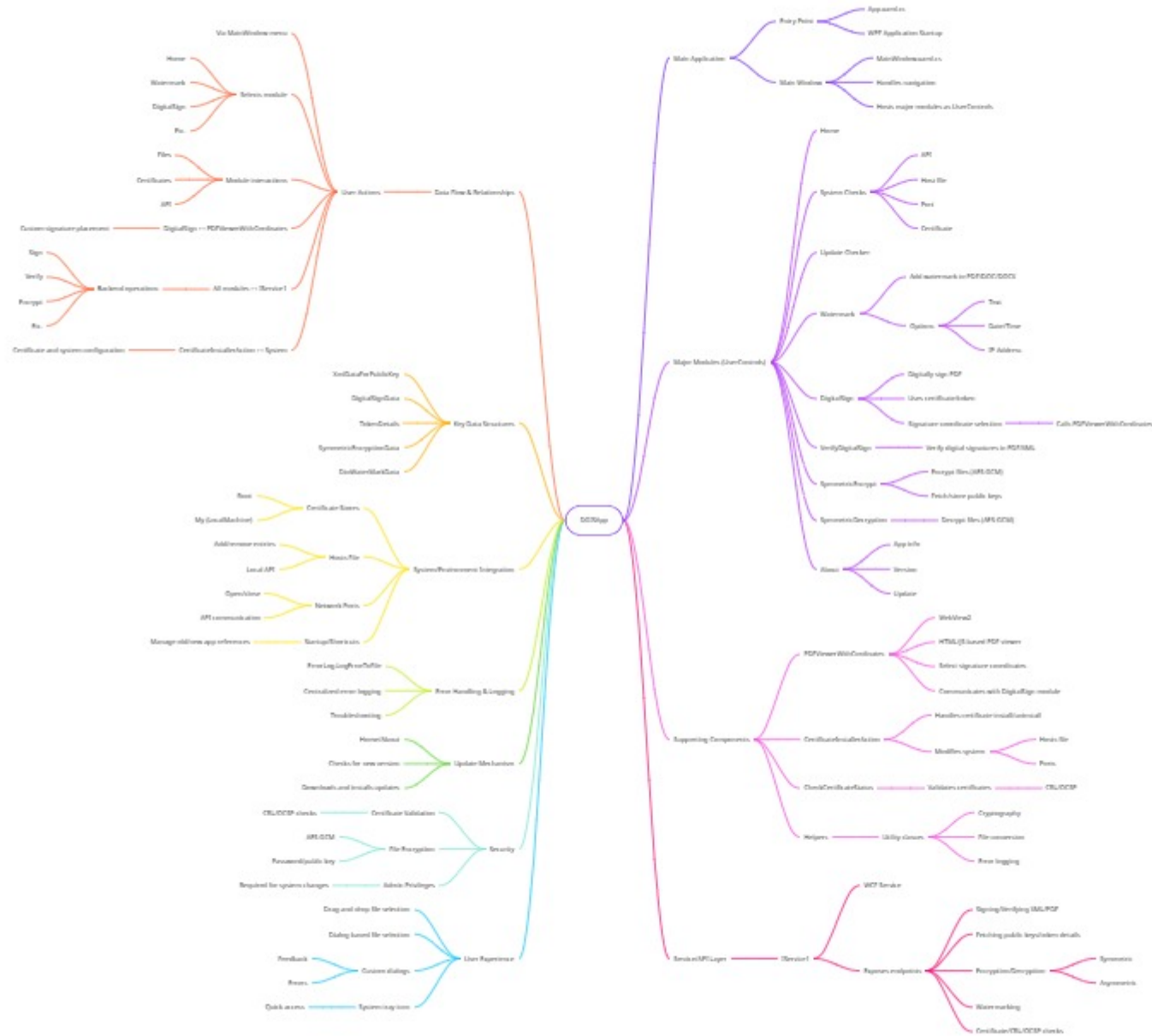
(f) I will pay the sum of loan amount or the balance remaining unpaid.

32. I, solemnly declare that the details/information furnished by me and averments/certifications made herein are true to the best of my knowledge and belief and have not willfully suppressed any material information.

Verified by - abc IP Address – ::1 Date Time – 17-07-2025 11:33 am

IC68667867X

Col John Doe

DIDIApp

Main Application
- Proxy Point
  - App.xaml.cs
  - WPF Application Startup
- Main Window
  - MainWindow.xaml.cs
  - Handles navigation
  - Hosts major modules as UserControls

Major Modules (UserControls)
- Home
- System Checks
  - API
  - Menu file
  - Port
  - Certificate
- Update Checker
- Watermark
  - Add watermark to PDF/DOC/DOCX
  - Options
    - Text
    - Date/Time
    - IP Address
- DigitalSign
  - Digitally sign PDF
  - Uses certificate token
  - Signature coordinate selection → Calls PDFViewerWithCoordinates
- VerifyDigitalSign → Verify digital signatures in PDF/XML
- SymmetricEncrypt
  - Encrypt files (AES-GCM)
  - Fetch/store public keys
- SymmetricDecryption → Decrypt files (AES-GCM)
- About
  - App info
  - Version
  - Update

Supporting Components
- PDFViewerWithCoordinates
  - WebView2
  - HTML5-based PDF viewer
  - Select signature coordinates
  - Communicates with DigitalSign module
- CertificateInstallerAction
  - Handles certificate install/uninstall
  - Modifies system
    - Menu file
    - Port
- CheckCertificateStatus → Validates certificates → CRL/OCSP
- Helpers
  - Utility classes
    - Cryptography
    - File conversion
    - Error logging

Service/API Layer → IService1
- WCF Service
- Exposes endpoints
  - Signing/Verifying XML/PDF
  - Fetching public keys/token details
  - Encryption/Decryption
    - Symmetric
    - Asymmetric
  - Watermarking
  - Certificate CRL/OCSP checks

Data Flow & Relationships
- User Actions
  - Via MainWindow menu
  - Selects module
    - Home
    - Watermark
    - DigitalSign
    - Etc.
  - Module interactions
    - Files
    - Certificates
    - API
  - DigitalSign ↔ PDFViewerWithCoordinates
    - Custom signature placement
  - All modules ↔ IService1
    - Backend operations
      - Sign
      - Verify
      - Encrypt
      - Etc.
  - CertificateInstallerAction ↔ System
    - Certificate and system configuration

Key Data Structures
- XmlDataForPublicKey
- DigitalSignData
- TokenDetails
- SymmetricEncryptionData
- CertificateWorkData

System/Environment Integration
- Certificate Stores
  - Root
  - My (LocalMachine)
- Menu file
  - Add/remove entries
  - Local API
- Network Ports
  - Open/close
  - API communication
- Startup/Shortcuts
  - Manage old/new app references

Error Handling & Logging
- Error Log LogErrorToFile
- Centralized error logging
- Troubleshooting

Update Mechanism
- Home/About
- Checks for new version
- Downloads and installs updates

Security
- Certificate Validation
  - CRL/OCSP checks
- File Encryption
  - AES-GCM
  - Password/public key
- Admin Privileges
  - Required for system changes

User Experience
- Drag and drop file selection
- Dialog-based file selection
- Custom dialogs
  - Feedback
  - Errors
- System tray icon
  - Quick access

Name :- Tez Pratap
Project Name :- DGIS APP

TASK SCHEDULE

Ser No	Aim	Participants	Points discussed/Work Implemented	Way forward		
				Action	Responsibility	Due date
1	Building Module Of DGIS	Mr. Jassjeet Sir - Tez Pratap		Done	Tez Pratap	26/06/2025
2	Edit Host File on ADN	Mr. Jassjeet Sir - Tez Pratap		Hold	Tez Pratap	27/06/2025
3	Generation Of Installer Log	Mr. Jassjeet Sir - Tez Pratap	1) Introduced the `LogErrorToFile` method to log exceptions and error messages in `CertificateInstallerAction.cs`. 2) Updated existing exception handling blocks to utilize this method, ensuring consistent error logging across certificate installation, hosts file modification, and certificate removal operations. 3) The logging captures system details such as IP address, OS version, machine name, and user name, along with exception messages and stack traces.	Done	Tez Pratap	01/07/2025
4	Resolve Vulnerability	—-	1) App.xaml.cs - No Issue Found 2) About.xaml.cs - Implemented `IsConnectedToInternet()` method in `About.xaml.cs` to verify internet connection status. - Enhanced error handling in the version retrieval method by logging exceptions to a file instead of returning an empty string. 3) DigitalSign.xaml.cs - Removed unused variables and added new ones for better state management. - Enhanced method signatures and introduced asynchronous patterns for connectivity checks and file handling.	Working	Tez Pratap	02/07/2025

			- Improved code readability with better formatting and restructuring of conditionals. - Added error handling and logging to increase application robustness. - Streamlined document signing logic and updated UI control states accordingly. - Cleaned up commented-out code to maintain a tidy codebase. - Updated methods to use `await` for asynchronous calls,ensuring UI responsiveness during long operations. - Changed return types of `OpenCustomCordinateSelecter` and `OpenBrowserForCordinate` to `Task`. - Updated `WdSaveFormat` references to fully qualified names and removed unnecessary using directives for clarity and maintainability. - Enhanced overall code structure for better readability.			
5	Fix Issue Of IP Address printing in watermarking module	Mr. Kapoor Sir-Tez Pratap	Fix Issue Of IP Address printing in watermarking module DONE on ADN Server	Done	Tez Pratap	04/07/2025
6	Resolve Vulnerability	—-	Resolve Vulnerability 1) Home.xaml.cs - Refactor CheckUrlStatusAsync for better error handling 2) MainWindow.xaml.cs - Add error logging in MainWindow.xaml.cs 3) SymmetricEncrypt.xaml.cs - Add error logging for XML file save exceptions 4) SymmetricDecryption.xaml.cs - Refactor password validation and file handling logic - Simplified password validation to only check length. - Improved readability with consistent formatting. - Streamlined file handling by removing redundant code. - Enhanced error handling for better user feedback. - Adjusted UI prompts for password input based on options. - Modified threading model for correct UI updates during file processing. - Overall improvements for code clarity, maintainability, and user experience. 3) WaterMarking.xaml.cs	Done	Tez Pratap	08/07/2025

			- Improve error handling in GetLocalIPAddress method			

DSalsApp

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  - User Actions
    - Selects module — Via MainWindow menu
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      - Watermark
      - DigitalSign
      - Etc.
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      - Certificates
      - API
    - Custom signature placement — DigitalSign ↔ PDFViewerWithCoordinates
  - Backend operations — All modules ↔ DarviceI
    - Sign
    - Verify
    - Encrypt
    - Etc.
  - Certificate and system configuration — CertificateInstallerAction ↔ System

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