AI-BASED Solutions

"Redefining the Future through AI"

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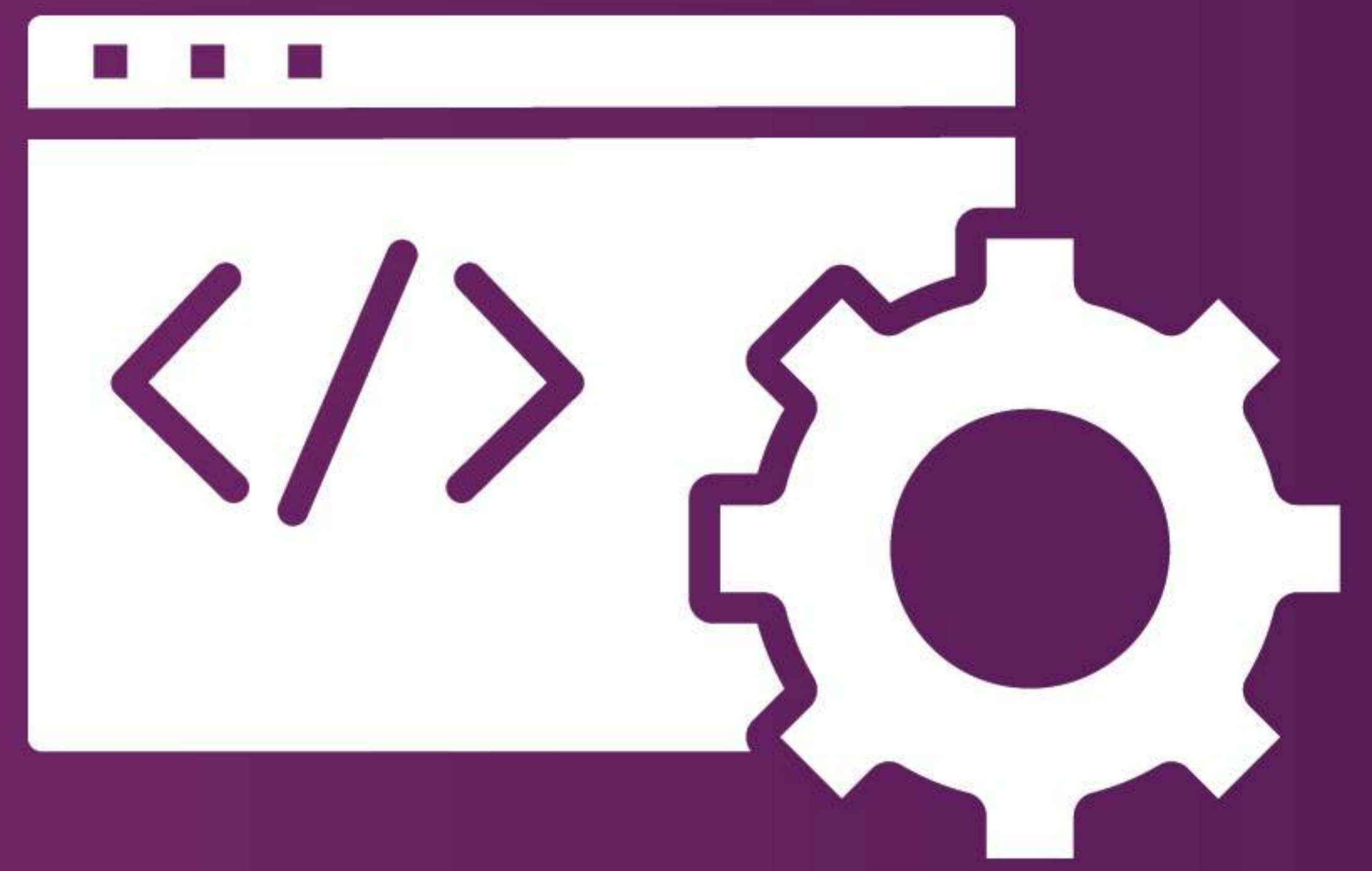
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MAKE IN INDIA

भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

Software Products

Electronic Voting Machines (EVMs)
Digital Agriculture Solutions
Radars, Underwater Systems
Geographical Information Systems (GIS)
Smart City Solutions & Integrations
Electronic Warfare & Avionic Systems
Access Control, Visitor Management,
Video Management & Analytics Solutions
Health Management & Information Systems
Simulators, Chatbots, Computer-Based Trainings
Artificial Intelligence Enabled Systems & Solutions
Coastal Surveillance, Network Management Systems
Weapons & Fire Control, Command & Control Systems
E-Governance, Enterprise Resource Planning, Blockchain Solutions

Services

Vulnerability Assessment & Penetration Testing / IT Security Audits
Independent Verification & Validation / Software Testing
Third-Party Audits, Consultancies & Trainings

Strengths

- Usage of State-of-the-Art Tools & Technologies
- Adherence to Industry Standards & Best Practices
- Strong, Strategic, Managerial & Technical Competencies
- Expertise in Military, Paramilitary & Border Security Domains
- Integration of Sensors, Legacy Systems & Equipment
- Specialized - Project Management Professionals, Software Architects, Developers & Testers
- Quality & Security Auditors
- Tools can be customised to specific languages
- Completely offline solution - no internet required
- Realtime Response
- Interactive Interface
- Context & Accuracy

1st Navratna Defence PSU to Achieve CMMI-Dev 2.0 L5 & CERT-In Empanelment
Unified QMS with ISO 9001: 2015, IEEE 12207: 2008 & CMMI-Dev 2.0 L5

Prasikshan.AI

"Breaking Language Barriers, Building Stronger Minds"

Prasikshan.AI is an offline, AI-powered multilingual translation solution supporting foreign students at Indian Military training schools. It provides real-time transcription and translation, eliminating language barriers for effective communication between instructors and trainees. Tailored for non-English and limited-English speakers, Prasikshan.AI ensures seamless learning and information integrity. Supporting seven languages—Sinhalese (Sri Lanka), Bengali (Bangladesh), Dhivehi, Russian (Kazakhstan), Burmese (Myanmar), French (Mauritius/Benin), and Vietnamese (Vietnam)—Prasikshan.AI enhances training efficiency and fosters collaboration in the Armed Forces.

SANDARBH.AI

"Instant Knowledge, Seamless Operations"

SANDARBH.AI is an AI-powered, web-based document module designed to streamline access to critical technical knowledge within the Indian Navy. It utilizes Large Language Models (LLMs) and Retrieval-Augmented Generation (RAG) to provide context-aware responses from technical manuals, policy letters, Navy orders, and operational guidelines. By eliminating manual searches, SANDARBH.AI improves maintenance, defect resolution, and training. Its real-time search capabilities optimize decision-making, boost operational efficiency, and enhance mission readiness.

"Product Uniqueness"

A potent and efficient solution for learning and maintaining the complex and sophisticated systems and addressing various other queries of Indian defence personnel. Such a module would significantly assist various repair and trial agencies, system maintainers, and trainees in efficiently handling queries and identifying and rectifying defects. A complete offline (No Internet required) solution which can be deployed as Onpremise server client aswell as cloud compatible.

Yatri.AI
"Your Bridge to the World"

Yatri.AI is an offline, AI-powered language translation solution designed for commercial use. It enables seamless communication between helpdesk operators and passengers, eliminating language barriers. With near real-time transcription and translation, Yatri.AI assists non-native speakers in understanding and responding quickly. Ideal for diverse environments, Yatri.AI supports four languages: Hindi, Telugu, Tamil, and Kannada.

Antarbhashi.AI
"Breaking Language Barriers"

Antarbhashi.AI is a tool that automatically detects the language of radio intercepts and translates them into English text. It offers voice transcription and translation for eight languages: Arabic, Vietnamese, Sinhala, Chinese Mandarin, Thai, Burmese, Bahasa Malaysia, and Bahasa Indonesia. The system improves communication in multicultural and international operations, making coordination easier. Initially developed to translate Houthi and Arabic radio intercepts, it is now used on naval ships to enhance intelligence and communication. Additionally, it supports Somali and seven other languages from the Indian Ocean Region (IOR), as well as seven coastal languages.