

| Program Profile |              |                                               |
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| Program         | Program name | <b>National Anti-Corruption Portal (NACP)</b> |
|                 | Category     | 'A6', 'B3'                                    |

| Summary of Program  |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Program Name        |                    | <b>National Anti-Corruption Portal (NACP)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Category            |                    | 'A6', 'B3'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Abstract of Program |                    | <p>Corruption poses a serious threat to national development by weakening institutional integrity, distorting public services, and eroding citizen trust. To address these challenges, the National Anti-Corruption Portal (NACP) has been developed as a centralized digital platform aimed at empowering citizens to report corruption, track complaint progress, and engage with government oversight mechanisms. This web-based system ensures anonymity, data security, and real-time complaint resolution through streamlined features such as user registration, complaint submission, status tracking, and access to public officer profiles.</p> <p>Built using modern web technologies including Laravel, React.js, MySQL, and JWT-based authentication, the portal emphasizes user-friendliness, system scalability, and responsive design. The project further integrates analytics and visualization tools to identify corruption patterns and assist authorities in data-driven decision-making. By bridging the communication gap between citizens and government officials, the NACP enhances transparency, fosters ethical governance, and lays a foundational step toward a corruption-free society.</p> |
| Details of Program  |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Planning            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Objectives          | Long-term Goals    | To establish a sustainable, transparent, and citizen-centric governance ecosystem where corruption is systematically reduced through digital empowerment, institutional accountability, and data-driven decision-making, ultimately fostering public trust, strengthening national development, and paving the way toward a corruption-free society.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                     | Short-term Targets | To successfully launch and operationalize the National Anti-Corruption Portal (NACP) by providing citizens with a secure, user-friendly digital platform for reporting corruption, tracking complaints, and accessing public officer information, while ensuring data security, anonymity, and efficient complaint resolution in real time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                     | Rationale          | Corruption weakens institutions, distorts services, and erodes public trust. Existing complaint systems lack transparency and efficiency. The National Anti-Corruption Portal (NACP) addresses these gaps by providing a secure, user-friendly, and data-driven platform for reporting, tracking, and resolving complaints, thereby promoting transparency, accountability, and good governance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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| Subject<br>(Leader) | Initiator(s)         | Shamsun Nahar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                     | Champion(s)          | Shamsun Nahar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                     | Major team member(s) | MD ASIF SARKER JOY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Environment         | Nature/Society       | <p><b>Public Engagement:</b> Low trust and fear of retaliation hinder corruption reporting. NACP promotes secure, anonymous citizen participation.</p> <p><b>Accessibility:</b> Despite growing internet access, digital literacy gaps remain. NACP's user-friendly and mobile-ready design addresses this.</p> <p><b>Cultural Challenges:</b> Social stigma around whistle-blowing exists. The portal helps build trust through transparency and data security.</p>                                                                                                                                                                                                                                              |
|                     | Industry/Market      | <p><b>E-Governance Demand:</b> Increasing interest in digital solutions for accountability supports NACP's relevance.</p> <p><b>Collaboration Potential:</b> Opportunities for public-private partnerships to expand and enhance the platform.</p> <p><b>Tech Readiness:</b> Local developers and tech firms can contribute to ongoing development and innovation.</p>                                                                                                                                                                                                                                                                                                                                            |
|                     | Citizen/Government   | <p><b>Policy Alignment:</b> Supports national initiatives like Digital Bangladesh and complements existing governance reforms.</p> <p><b>Integration Opportunity:</b> Can be linked with law enforcement and judicial systems for improved case handling.</p> <p><b>Security Compliance:</b> Adheres to data privacy needs; must evolve with regulatory changes.</p> <p><b>Stakeholder Involvement:</b> NGOs, media, and civil society can assist with outreach, monitoring, and advocacy.</p>                                                                                                                                                                                                                    |
| Resources           | Human resources      | <p><b>Software Developers:</b> For front-end (React.js) and back-end (Laravel) development, API integration, and database management.</p> <p><b>UI/UX Designers:</b> To ensure the portal is user-friendly and accessible to people of varying digital literacy.</p> <p><b>Cybersecurity Experts:</b> To implement and maintain secure authentication, data encryption, and user privacy.</p> <p><b>Project Manager:</b> To coordinate between technical teams, stakeholders, and ensure timely delivery.</p> <p><b>QA/Testers:</b> To conduct functionality, usability, and security testing of the platform.</p> <p><b>Content Writers:</b> To develop help documentation, policy content, and user guides.</p> |

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|           | Financial resources        | <p><b>Development Costs:</b> Expenses for software design, coding, and testing phases.</p> <p><b>Hosting &amp; Domain:</b> Fees for secure web hosting, server space, and domain registration.</p> <p><b>Security Infrastructure:</b> Investment in SSL certificates, firewalls, and regular security audits.</p> <p><b>Maintenance &amp; Support:</b> Ongoing costs for updates, bug fixes, and user support.</p> <p><b>Awareness Campaigns:</b> Budget for public engagement, training, and promotional activities.</p> <p><b>Contingency Fund:</b> Reserved for unexpected expenses during implementation or scaling.</p> |
|           | Technological resources    | <p><b>Software Stack:</b> Laravel (PHP), React.js, MySQL, HTML/CSS/JavaScript, JWT for authentication.</p> <p><b>Hardware:</b> Development machines, secure servers, backup systems.</p> <p><b>Tools:</b> GitHub for version control, Postman for API testing, project management tools (e.g., Jira, Trello).</p> <p><b>Internet Infrastructure:</b> Reliable broadband and cloud services for uptime and scalability.</p> <p><b>Legal/Compliance Tools:</b> Resources for ensuring alignment with national data protection and cybersecurity laws.</p>                                                                      |
| Mechanism | Strategy (Weight/Sequence) | <p><b>Centralized Complaint System</b> – Core platform for reporting and tracking corruption.</p> <p><b>Anonymous Reporting</b> – Protects whistleblowers and encourages participation.</p> <p><b>Real-Time Tracking</b> – Builds user trust through transparent updates.</p> <p><b>Data Analytics</b> – Identifies trends and supports decision-making.</p> <p><b>Public Awareness Campaigns</b> – Promotes usage and citizen engagement.</p> <p><b>System Integration</b> – Future link with government and law enforcement databases.</p>                                                                                 |
|           | Organization               | <p>High: Complaint system, anonymous reporting, real-time tracking.</p> <p>Medium: Analytics, public awareness.</p> <p>Low (initially): Integration with external systems.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                                       | Culture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>Requirement analysis</p> <p>System design and development</p> <p>Security and privacy implementation</p> <p>Testing and pilot launch</p> <p>Full deployment and public engagement</p> <p>Analytics and reporting setup</p> <p>Future system integrations</p> |
| Doing                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                 |
| Launch date                           | October, 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                 |
| Responsible organization              | World University of Bangladesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                 |
| Program content and process           | <p>The National Anti-Corruption Portal (NACP) is a secure, web-based platform designed to enable citizens to report corruption, track complaints, and access public official profiles. Core features include user registration, anonymous complaint submission with file uploads and geo-tagging, real-time status tracking, and feedback options. Authorities can review and manage complaints through a dedicated dashboard, while an admin panel oversees system operations. The portal also offers educational content, real-time notifications, and data visualization tools for trend analysis. Built using Laravel, React.js, MySQL, and JWT security, NACP ensures responsive design, scalability, and user privacy. Future enhancements include mobile app support, system integration with government databases, multi-language access, and AI-driven analytics.</p> |                                                                                                                                                                                                                                                                 |
| Key highlights of the content/process | <p><b>Secure User Registration</b> with role-based access for citizens, admins, and authorities.</p> <p><b>Anonymous Complaint Submission</b> with optional file uploads and location tagging.</p> <p><b>Real-Time Complaint Tracking</b> through a visual status system (submitted, under review, resolved).</p> <p><b>Admin and Authority Dashboards</b> for efficient case management and escalation.</p> <p><b>Officer Profile Viewing</b> to promote public transparency and accountability.</p> <p><b>Notification System</b> via SMS, email, and in-app alerts for complaint updates.</p> <p><b>Educational Knowledge Base</b> offering resources on anti-corruption laws</p>                                                                                                                                                                                           |                                                                                                                                                                                                                                                                 |

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|                                         | <p>and procedures.</p> <p>Feedback and Rating Module for user evaluation of complaint resolutions.</p> <p>Data Analytics and Visualization to identify corruption trends and department performance.</p> <p>Tech Stack includes Laravel, React.js, MySQL, JWT, and RESTful APIs for a scalable, secure, and responsive system.</p> <p>Future Features: Mobile app, multilingual support, government system integration, AI complaint filtering, and blockchain security.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Differences from traditional approaches | <p>The National Anti-Corruption Portal (NACP) modernizes corruption reporting by replacing manual, paper-based methods with a secure, web-based system. Unlike traditional approaches that lack transparency and speed, NACP offers real-time complaint tracking, anonymous reporting, and instant notifications. It features a user-friendly interface, officer profile access, and centralized complaint management—streamlining processes and ensuring greater accountability. The integration of data analytics enables trend analysis and informed decision-making, which are absent in conventional systems. Additionally, NACP improves accessibility and scalability, particularly benefiting users in remote or underserved areas.</p>                                                                                                                                                                                                                                                                  |
| Progress as of today                    | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Problems in implementation              | <p>Implementing the National Anti-Corruption Portal (NACP) presents several challenges. One major issue is the limited integration with existing government systems, which restricts real-time data sharing and case tracking. Lack of a robust verification mechanism may lead to false or malicious complaints, affecting credibility. The platform currently lacks a dedicated mobile application, limiting accessibility in rural areas with poor desktop or broadband access. Language barriers also pose a challenge, as the system supports only one language, reducing usability for diverse users. Cybersecurity risks remain a concern, as more advanced features like two-factor authentication and blockchain are not yet implemented. Additionally, public awareness and digital literacy levels are low, which may hinder user adoption and effective usage. Lastly, the platform requires continuous funding and technical support to ensure long-term maintenance, updates, and scalability.</p> |
| Approaches to solve the problems        | <p>To address the limitations of traditional corruption-reporting methods—such as lack of transparency, fear of retaliation, slow response, and limited accessibility—the NACP adopts several innovative approaches. It introduces a centralized digital platform that allows secure, anonymous complaint submissions, reducing fear and encouraging public participation. A real-time tracking system improves transparency and keeps users informed. The portal’s role-based access control ensures that only authorized officials can act on complaints, maintaining integrity and confidentiality. By incorporating data analytics and officer profiling, it supports informed decision-making and proactive governance. Additionally, mobile-friendly design, simple interfaces, and public awareness initiatives ensure broad usability and engagement, especially in rural and underserved areas. These combined approaches create a more responsive, secure, and</p>                                     |

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|                                      | inclusive system to fight corruption effectively.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Completion date, if completed        | (State whether the program was completed and if its objectives were met; if not, estimate when you expect them to be achieved.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Seeing                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Impacts on students                  | The National Anti-Corruption Portal (NACP) promotes civic awareness and ethical responsibility among students. It empowers them to actively report corruption, enhances their understanding of digital governance, and provides practical learning in areas like software development, data security, and public accountability. The portal also encourages student involvement in building a more transparent and responsible society.                                                                                                                                                                                                                                                                                                |
| Impacts on professors                | The NACP project provides significant academic and institutional value. For professors, it offers a practical case study to teach concepts related to software engineering, public policy, cybersecurity, and digital ethics. It encourages interdisciplinary research and supports faculty involvement in socially impactful initiatives. For the university, the project enhances its reputation by promoting innovation, civic engagement, and real-world problem solving. It also provides opportunities for collaboration with government and civil society, positioning the institution as a contributor to national development and digital governance.                                                                         |
| Impacts on university administration | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Responses from industry/market       | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Responses from citizen/government    | The government is expected to respond positively to the National Anti-Corruption Portal as it aligns with national initiatives like Digital Bangladesh and efforts to promote transparency and accountability. The portal supports the government's goals of modernizing public services and reducing corruption through citizen participation. Authorities benefit from a centralized system to manage complaints efficiently, track trends, and improve departmental performance. While initial integration with existing systems may be limited, the portal lays a foundation for future collaboration, offering a scalable tool to support e-governance, whistleblower protection, and policy improvement based on real-time data. |
| Measurable output (revenues)         | <p>Total number of complaints submitted</p> <p>Complaint resolution rate</p> <p>Number of registered users</p> <p>Average response and resolution time</p> <p>Percentage of anonymous reports</p> <p>User activity and access metrics</p> <p>Feedback and satisfaction scores</p> <p>System uptime and performance</p>                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|                                         | <p>Number of analytics reports generated</p> <p>Views of public official profiles</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Measurable input (expenses)             | <p>Software Development Costs – \$12,000</p> <p>Authentication &amp; Security Tools – \$3,500</p> <p>Infrastructure &amp; Hosting (Cloud, Database, Storage) – \$5,000 (per year)</p> <p>Human Resources (Developers, Designers, Support Staff, 6 months) – \$25,000</p> <p>Analytics &amp; Visualization Tools – \$4,000</p> <p>Training &amp; Awareness Programs – \$2,500</p> <p>Maintenance &amp; Upgrades (first year) – \$3,000</p> <p>Operational &amp; Administrative Costs – \$2,000</p> <p>✓ Total Estimated Initial Expense: \$57,000 (≈ 6.7 million BDT)</p>                                                                                                                                                                                                                                                           |
| Cost-benefit analysis for effectiveness | <p>Reduced Corruption-Related Losses: Even a 1% reduction in public-sector corruption could save millions in national resources annually.</p> <ul style="list-style-type: none"> <li>· · Improved Citizen Trust: Transparent complaint handling increases public confidence in institutions.</li> <li>· · Operational Efficiency: Faster, digital handling of complaints reduces manual paperwork and administrative delays.</li> <li>· · Data-Driven Governance: Analytics help authorities detect corruption patterns and take preventive actions.</li> <li>· · Empowered Citizens: Anonymous, secure reporting increases participation in anti-corruption efforts.</li> <li>· · Long-Term Savings: Less corruption = more efficient use of development funds, improved service delivery, and higher economic growth.</li> </ul> |
| Future Planning                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Where does the project go from here?    | <p>he National Anti-Corruption Portal is designed with scalability and long-term impact in mind. Future plans include the development of a mobile application to improve accessibility, especially for users in rural areas. The</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                                                                                     | <p>system will also be expanded to support multiple languages for broader inclusivity. To strengthen data integrity and trust, advanced security features like two-factor authentication and blockchain-based complaint tracking will be integrated. Further, the portal aims to be linked with government and judicial databases to enable real-time case monitoring and efficient escalation. AI and machine learning tools will be introduced for automatic complaint categorization, priority handling, and trend detection. Finally, the project envisions partnerships with civil society organizations and increased public awareness campaigns to enhance engagement and effectiveness in the national fight against corruption.</p> |
| Addendum                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Exhibits, pictures, diagrams, etc.                                                  | <pre> graph LR     User[User] -- Check Update --&gt; Portal((National Anti-Corruption Portal))     User -- Submit Complaint --&gt; Portal     User -- Create Draft --&gt; Portal     Authority[Authority] -- Receive complaint &amp; take action --&gt; Portal     Authority -- Update Complaint Status --&gt; Portal   </pre>                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reports, mimeos, monographs, books, etc.                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Others which may help explain the program <a href="#">(including website links)</a> | A final report will be submitted to the university for record-keeping purposes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |