

Give4Good – A University Student Donation and Fundraising Platform

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Abstract

Give4Good is a web-based platform designed to connect financially struggling university students with potential donors. The platform allows students to upload verified documentation of their situation, which is then assessed by administrators and optionally verified through university contacts. Donors can browse student campaigns, make donations, and even support student-led research or project initiatives.

1 Objective

To create a secure, trusted, and accessible platform that supports students facing financial difficulties by enabling direct donations, fundraising, and transparent campaign management.

2 Stakeholders

- **Students** – Create campaigns, provide proof, and request assistance.
- **Donors** – Browse campaigns, donate, leave messages.
- **University Admins** – Verify student identities and statuses (manually or digitally).
- **System Admins** – Approve users, campaigns, manage complaints and verify proofs.

3 Core Functionalities

- **User Authentication** – Secure login/register with role-based access (Student, Donor, Admin).
- **Campaign Management** – Students can create campaigns with title, description, proof uploads, and goals.
- **Donations Module** – Donors can make simulated donations with visible progress bars.

- **Admin Dashboard** – Approve/reject campaigns, view reports, verify users.
- **Student Verification** – Admin contacts university with uploaded student documents for extra credibility.
- **Comment and Encouragement Wall** – Donors and guests can post supportive comments.
- **Campaign Feed** – Public feed of active campaigns, sortable by category, tags, and urgency.
- **Notification Center** – Bell icon notification system for comments, donation alerts, admin approvals.

4 Extended Functionalities

- **University-Verified Badge** – Special tag for students confirmed by university contacts.
- **Fundraisers for Research/Projects** – Students can host dedicated fundraisers for academic projects or research.
- **Campaign Analytics** – Views, donations count, popular time of activity.
- **Follow Campaign** – Donors can follow campaigns for updates and donate later.
- **Tags and Categories** – Campaigns are tagged by needs (tuition, books, medical, etc.).
- **Auto Thank-You Message** – After donation, student can configure a thank-you note.
- **Featured Campaigns Carousel** – Rotating showcase of highlighted campaigns on homepage.
- **Donation History** – Donors can track their past contributions.
- **Student Dashboard** – Track campaign performance, update content, upload new proofs.

5 Technology Stack

- **Frontend:** HTML5, CSS3, JavaScript (Vanilla)
- **Backend:** PHP (Vanilla)
- **Database:** MySQL
- **Assets:** Custom icons, no external libraries

6 Database Overview (Sample Tables)

- users (id, name, role, email, password, verified)
- campaigns (id, student_id, title, goal, deadline, status, verified)
- donations (id, donor_id, campaign_id, amount, date)
- comments (id, user_id, campaign_id, message, date)
- university_verifications (id, student_id, university_email, status, verified_on)

7 Conclusion

Give4Good provides a direct and human-centric solution to a growing issue faced by undergraduates in Sri Lanka and beyond. By building trust through verification, transparency, and personalization, this platform enhances both social impact and project scope — all developed with foundational technologies.