Website Development Report for Mathematics Conference

UNIVERSITY OF CHITTAGONG

Department of Mathematics

Prepared by:

Rayanul Kader Chowdhury Abid

Email: 2162.rayanul.kader.chowdhury@gmail.com
Phone: 01641309424
Address: 7 No. Building, Nirvana R/A, Goni Bakery Circle, College Road, Chittagong.

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1. Objective

To develop a professional, informative, and user-friendly website for the upcoming Prestigious Mathematics Conference hosted by Department of Mathematics, Chittagong University, serving as the central platform for announcements, registration, and conference-related information.

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2. Case Study

To develop a robust and professional website for the upcoming Mathematics Conference hosted by Department of Mathematics, Chittagong University, a comparative case study was conducted on several renowned and well-organized conference websites. The conferences reviewed include:

- **International Congress of Mathematicians (ICM) 2026** – https://www.icm2026.org/event/ac193975-5d24-4628-8c30-ddb23de19a8b/home
- **European Congress of Mathematics (ECM) 2024** – https://www.ecm2024sevilla.com/
- **Mathematics Conference 2024, BUET** – math.buet.ac.bd/mathconf24
- **ICECE 2024, BUET** – icece.buet.ac.bd
- **BIM 2025 – DIU** - https://confbim.com/

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3. Design inspiration

For this project, several prestigious international conferences have been selected as case studies to guide both design and feature requirements. These include the ICM and ECM conferences, as well as notable academic events hosted by BUET and DIU. Specifically, the upcoming conference organized by the Department of Mathematics at the University of Chittagong will draw inspiration from these esteemed models.

For design guidance and layout inspiration, the BIM-2025 conference website, organized by Dhaka International University, is highly recommended due to its comprehensive structure and user-friendly interface. Additionally, other relevant conference websites have been reviewed to identify essential and useful features that can enhance functionality and user experience.

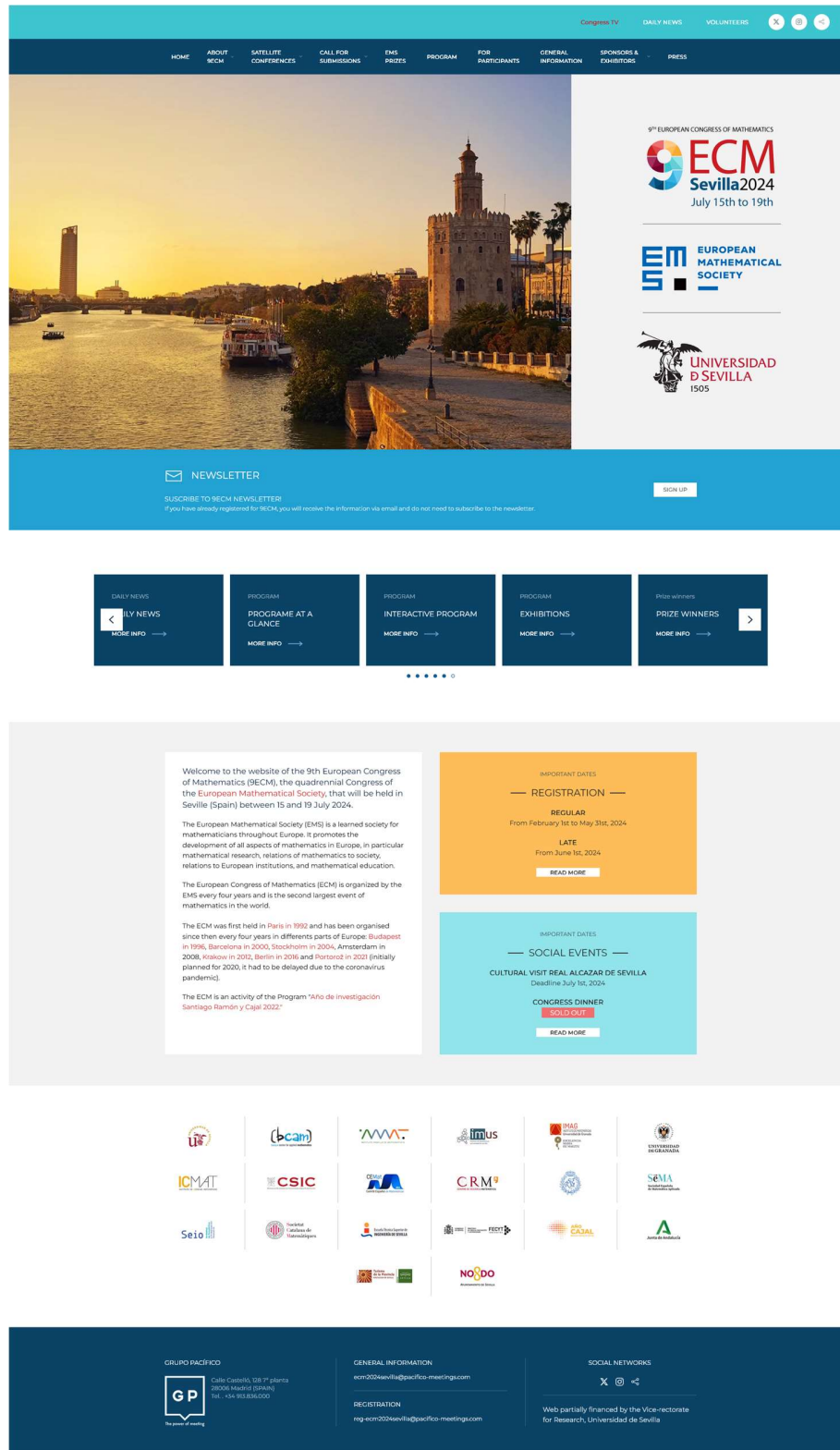**Figure 3.1: Website of International Congress of Mathematicians (ICM) 2026**

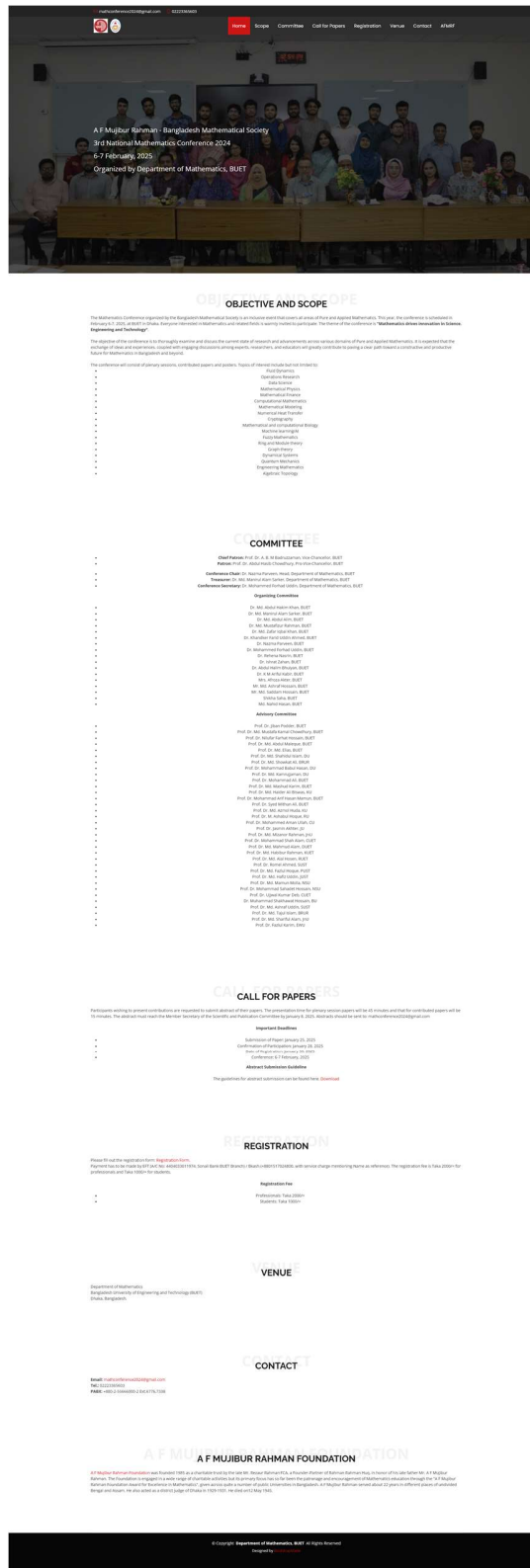**Figure 3.2: Website of European Congress of Mathematics (ECM) 2024**

Figure 3.3: Website of Mathematics Conference 2024, BUET
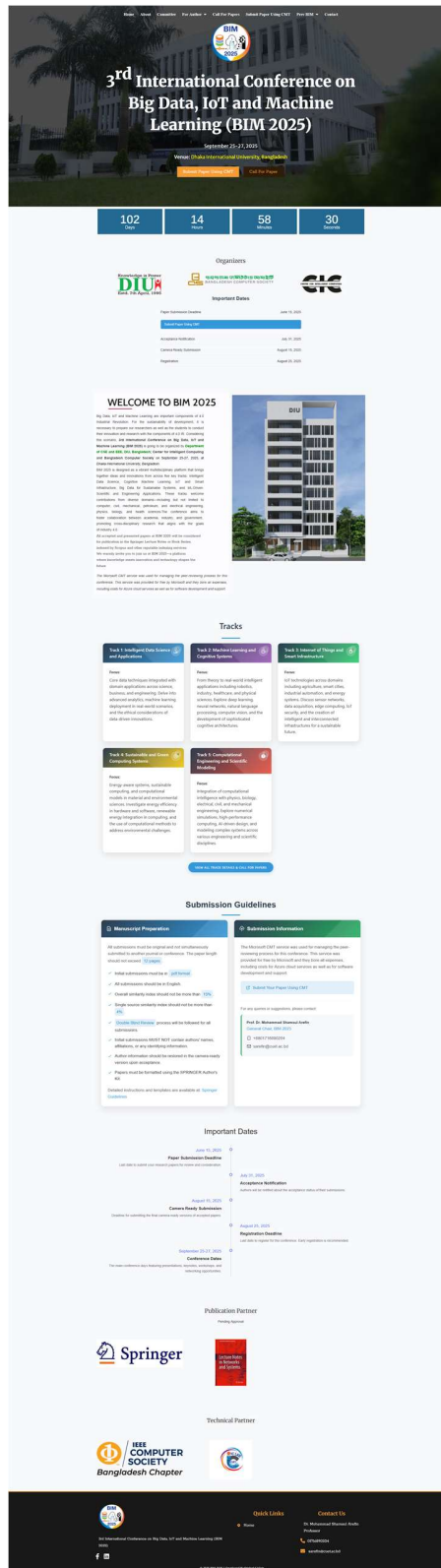
Figure 3.4: Website of ICECE 2024, BUET

Figure 3.5: Website of BIM 2025 – DIU

4. Proposed Website's Structure and Feature Details

A. Home

The homepage will serve as the landing page and initial impression. It will feature:

- A visually appealing banner with the conference name, date, and location
- A countdown timer to the event start
- Brief highlights (e.g., keynote speakers, theme)
- Scrolling or highlighted **latest announcements**
- Call-to-action buttons like **"Submit Abstract"**, **"Register Now"**, or **"Learn More"**

Example Reference: ECM 2024 uses a clean banner with navigation shortcuts and updates.

B. About / Scope

- Provide an overview of the conference's **objectives**, **themes**, and **academic relevance**
- Define the **target audience** (e.g., mathematicians, researchers, students)
- Mention any **special focus areas** such as Pure Mathematics, Applied Mathematics, or Computational Modeling

Reference: ICM 2026 and ECM 2024 both detail scope in multiple languages, showing international appeal.

C. Call for Papers

A core section designed for authors and researchers. It will include:

- A description of topics and subfields covered
- Submission guidelines (length, format, **templates PDF**)
- Important deadlines (abstract submission, review, final paper, etc.)
- Link to the submission portal (e.g., **Microsoft CMT**, email-based, or in-house system)

Reference: BIM 2025 has detailed Call for Paper and Submit Paper Using CMT in it.

D. Program

This will contain the **detailed schedule** of the event, including:

- Opening ceremony
- Keynote and invited talks
- Technical sessions/paper presentations schedule

Reference: ECM 2024's "Program" section includes filters by day/session.

E. Committees

To establish academic credibility, this section will:

- List the **Organizing Committee**, **Technical/Scientific Committee**, and **Advisory Board**
- Include names, affiliations, and photos

Reference: BUET's ICECE and MathConf websites neatly list committee roles for transparency.

F. Registration

- Outline of **registration fees** (student, academic, early-bird, late, etc.)
- Bank/payment information.
- Online form submission with Abstract Submission. **(Google Form and Google sheet integrated)**
- Clear refund/cancellation policy (if any)

Reference: ICECE 2024 uses both offline and online registration modes, common in Bangladesh.

G. Speakers / Keynotes

- Details of invited keynote and plenary speakers
- **Professional headshots, short bios, talk titles, abstracts and Google Scholar profiles**

Reference: ICM and ECM dedicate prominent sections to highlight speaker excellence.

H. Venue & Accommodation

- Venue name, building/location within the university
- **Google Maps integration or interactive map**

Reference: ECM 2024 includes downloadable venue guide and travel visa help.

I. Contact Us

A straightforward, accessible communication channel:

- Dedicated email addresses for general inquiries, submission help, and registration support
- Contact numbers (with working hours)
- **Social Media links addition and FAQ section.**

Reference: All reviewed websites prominently display contact options on both top menu and footer.
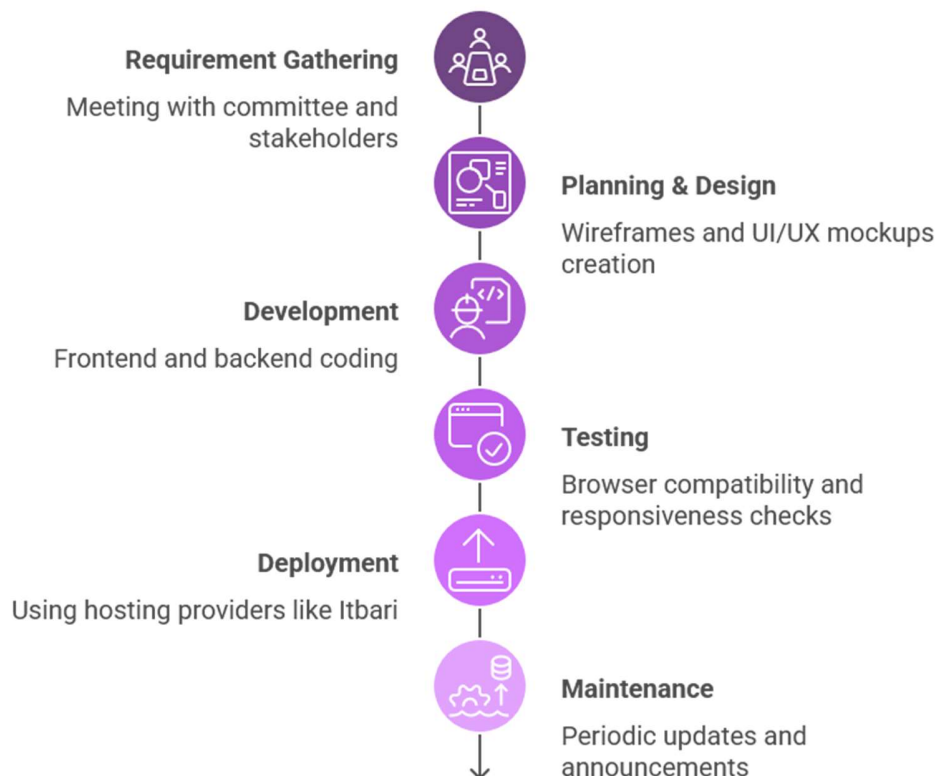
5. Software Development Life Cycle (SDLC)

For this project the **AGILE methodology** is recommended for flexibility and ongoing feedback.

Phases:

1. **Requirement Gathering** – With committee and stakeholders.
2. **Planning & Design** – Wireframes, UI/UX mockups.
3. **Development**
   o Frontend: HTML5, CSS3, Bootstrap 5, JavaScript
   o Backend (optional): PHP / Node.js / Firebase
   o Integration of google form, sheet and calendar for abstract submission and event update.
4. **Testing** – Browser compatibility, responsiveness and form validation.
5. **Deployment** – Using hosting providers like ItHostBD.
6. **Maintenance** – Periodic updates, adding announcements or proceedings till the event.
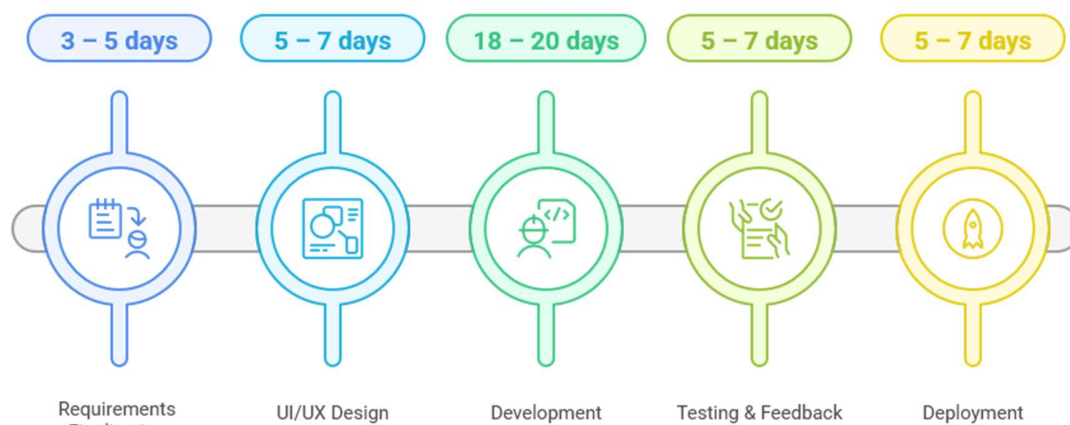

Project Development and Deployment Timeline

Requirement Gathering
Meeting with committee and stakeholders

Planning & Design
Wireframes and UI/UX mockups creation

Development
Frontend and backend coding

Testing
Browser compatibility and responsiveness checks

Deployment
Using hosting providers like Itbari

Maintenance
Periodic updates and announcements

6. Proposed Timeline

Phase	Duration
Requirements Finalization	3 – 5 days
UI/UX Design	5 – 7 days
Development	18 – 20 days
Testing & Feedback	5 – 7 days
Deployment	5 – 7 days
Total Estimate d Time	**5 – 6 weeks (35 – 42 days)**

Project Development Timeline

5. Estimated Costing

Item	Estimated Cost (BDT)
Domain (.com/.org/.bd)	1,450/year
Hosting	1,150/year
UI/UX and Design	3,500 Taka
Developer Honorarium	19,500 Taka
SEO and Deployment	1,500 Taka
Maintenance & Support	4,000 Taka (Till End of the conference)
Total	**31,100 Taka**

(Thirty One Thousand One Hundred Taka only)