

## Agile Scrum Sprint Plan and Task Checklist

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| **Name:** | **Course** | **Semester** | **P.U. Registration Number** |
| Namrata Bastola | BCA | 6th | 2022-1-53-0129 |
| R.a.mohan Tiwari | BCA | 6th | 2022-1-53-0136 |
| Rikita Gharti | BCA | 6th | 2022-1-53-0138 |
| Subash Gurung | BCA | 6th | 2022-1-53-0147 |

## Sprint 1: Basic Setup + Login System (May 1–7)

* ☐ GitHub repository created and organized
* ☐ Database server setup (PHP + MySQL locally)
* ☐ Basic HTML login/signup page created
* ☐ Secure DB connection configured
* ☐ Login form created (frontend + backend)
* ☐ Sessions management for login completed
* ☐ Sprint 1 review: Login working end-to-end

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## Sprint 2: Core Attendance + Admin Dashboard (May 8–14)

* ☐ Dashboard displays total students, attendance
* ☐ Attendance marking form ready
* ☐ Database insert attendance backend ready
* ☐ Event attendance DB table created
* ☐ Self-study logger UI planned
* ☐ Sprint 2 review: Core attendance working

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## Sprint 3: QR Code Attendance (May 15–21)

* ☐ QR Code scanner UI ready
* ☐ QR Token generator backend ready
* ☐ QR validation API working
* ☐ QR success/fail screen UI completed
* ☐ Sprint 3 review: QR attendance fully working

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Sprint 4: Workshop/Seminar Attendance (May 22–28)

* ☐ Event QR Scan page ready
* ☐ Event DB expanded (entry-exit tracking)
* ☐ Admin dashboard shows event attendance stats
* ☐ Graph setup for event analytics started
* ☐ Sprint 4 review: Seminar/workshop tracking ready

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## Sprint 5: Self-study Logger + Analytics Graphs (May 29–June 6)

* ☐ Self-study frontend form ready (timer + textarea)
* ☐ Backend saves self-study logs
* ☐ Admin dashboard fetches self-study records
* ☐ Attendance and self-study graphs working (Chart.js)
* ☐ Sprint 5 review: Analytics fully connected

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Sprint 6: Final Testing and Bug Fixes (June 7–18)

* ☐ Full UI testing page-by-page
* ☐ Backend API testing and load testing
* ☐ Bug fixing frontend (CSS/UX polish)
* ☐ Bug fixing backend (session, security issues)
* ☐ Full system merge + database finalization
* ☐ Sprint 6 review: Entire system fully stable

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## Sprint 7: Deployment + Defense Preparation (June 19–July 13)

* ☐ Frontend deployed (localhost setup)
* ☐ Backend deployed and connected
* ☐ Final mobile responsiveness testing
* ☐ Presentation slides prepared
* ☐ Demo rehearsal sessions done
* ☐ Final project backup ready
* ☐ Ready for final defense (mid-July)

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Daily Team Member Mini-Checklist

* ☐ Commit pushed to GitHub
* ☐ Issue/task updated on GitHub Project board
* ☐ Pull Request opened if new feature complete
* ☐ Attend short daily standup (5 mins)
* ☐ Code written or tested today

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| Date Range | Namrata (Frontend + Integrator) | Subash (Backend Core PHP) | Rikita (Frontend UI) | R.a.mon (Backend APIs) |
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| May 1–2 | GitHub setup, base project folders | Setup local PHP + MySQL | Prepare HTML Login Page UI | Setup DB config, helper functions |
| May 3–4 | Create login form (PHP + HTML) | Create DB schema (students, admin) | Basic styling login/register page | Secure login validation + session logic |
| May 5–6 | Admin dashboard HTML template | Insert login/register PHP logic | UI dashboard rough page | Attendance submit backend API start |
| May 7 | Sprint Review: Login system check-in |  |  |  |
| May 8–9 | Connect dashboard stats (total students) | Create attendance table logic | Dashboard UI (student list) | API: Submit attendance endpoint |
| May 10–11 | Dashboard - View attendance table | Create PHP insert attendance | UI for attendance marking | Validate API submission rules |
| May 12–13 | Self-study logger UI planning | Setup event attendance DB | Create event scan pages | Build API for event attendance |
| May 14 | Sprint Review: Basic attendance modules working |  |  |  |
| May 15–16 | QR Code scanner page UI | Generate QR token logic | Success/Fail screens QR scan | API: QR Code validate securely |
| May 17–18 | Connect QR scanner to backend | Debug QR token expiry | UI improvements (scanner) | API token expiration handling |
| May 19–20 | Admin view of QR scans | Minor QR bug fixes | Frontend QR status page | API testing for QR validation |
| May 21 | Sprint Review: QR Code attendance working |  |  |  |
| May 22–23 | Event QR scan page | Event DB table expansion | Event success/fail pages | Event attendance API setup |
| May 24–25 | Admin event stats view | Insert event logs | Dashboard event listing | Secure event check-in/out |
| May 26–27 | Dashboard graphs UI setup | Attendance data API (count events) | Chart.js frontend setup | Backend attendance data API |
| May 28 | Sprint Review: Seminar/Workshop tracking ready |  |  |  |
| May 29–30 | Self-study frontend UI (Timer, Textarea) | Self-study DB insert logic | Styling for Self-study logs | Self-study submission API |
| June 1–2 | Connect self-study to admin dashboard | Self-study report export (backend) | Self-study logs view UI | API to fetch self-study reports |
| June 3–4 | Admin charts view (attendance trend) | API for analytics graphs | Chart.js graphs dashboard | Optimize backend queries |
| June 5–6 | Sprint Review: Full attendance graphs + Self-study logger ready |  |  |  |
| June 7–9 | UI Testing (Page by Page) | Backend Testing (API Security) | Responsive Testing (Mobile/Desktop) | API Load Testing |
| June 10–12 | Bug fixing frontend | Bug fixing backend | UI polish & optimize loading | Secure session management |
| June 13–15 | Merge frontend & backend | Finalize database schema | Final CSS pass | Final API refactor |
| June 16–18 | Sprint Review: Full working system ready |  |  |  |
| June 19–22 | Deploy frontend on localhost | Deploy backend PHP server | Final Mobile Testing | Backup and optimize DB |
| June 23–26 | Final Testing - Event/QR/Self-study | Final Testing backend | Final Testing frontend | Backup APIs and prepare deployment package |
| June 27–30 | Prepare Presentation Slides | Prepare Demo Video if needed | Prepare screenshots | Final API Documentation |
| July 1–13 | Full demo rehearsals and backups | Full demo rehearsals | Full demo rehearsals | Full demo rehearsals |