# THESIS TOPICs for the 3rd Year Metrobank Scholars

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| Thesis Title 1 | **Leveraging Technology for Career Success: Analyzing the effectiveness of Mobile Apps in enhancing career preparedness** |
| Problem to solve | The lack of preparedness among scholars poses significant challenges, not just for their transition into the workforce, but also takes up much time from the supervisors as they need to teach the interns with skills that is needed for the internship. These issues can be addressed through the Metrobank STRONG Mobile App that can provide learning resources to enhance the scholars’ readiness for their future careers and improve their employability. |
| Minimum Requirements: | |
| Learning Roadmap | Should have a main screen that shows:   * Learning roadmap based on career track * Upcoming events / calendar of activities / On going deliverables etc * **Data-driven insights** for the scholar to see their learning progress |
| Role based view | * If an admin logs-in, it should show the administration page. * If the scholar logs in , should show the learning screen |
| Training Management | * Admin view to assign students to trainings. * Create and manage schedules for workshops, industry talks, and training sessions. |
| Attendance and Certification | * Window where scholars can log their attendance and will be issued with a certificate once validated |

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| Thesis Title 2 | **The Future of Internships: Exploring the Role of Technology-Driven Mobile Apps in resolving talent acquisition challenges.** |
| Problem to solve | Companies often miss out on the opportunity to groom interns into employees which leads to talent shortage. Providing adequate training, proper onboarding and assessment can be time consuming and supervisors may struggle to balance this with their regular responsibilities. Another challenge is for the talent acquisition team missing out on hiring opportunities because an intern was not a job offered immediately which leads to the intern to be hired by another company post graduation. Having an internship mobile app will not only help the intern learn the must-have skills for their future careers but also streamline the process from internship to job offer and hiring. |
| Minimum Requirements: | |
| To Do List Designer | Create an engaging and interactive UX/UI interns to know what are their schedules/deliverables per day/week |
| Learning Plan Designer | **Learning Plan Designer** for Supervisors to define their training plan and track progress |
| Attendance Tracking | Automate intern’s attendance, workflow approval and generation of timesheet as required by the school |
| Assessments | * Automate the assessments given by supervisors to the interns to ensure that they are earning the necessary skills needed for the workforce. * Have a notification function to remind both intern and supervisors about the assessments |
| Chat functionality | **Chat functionality** for intern, supervisors and HR |

**Note: Level of complexity for Thesis 3, 4 and 5 is that it requires integration of the 3 web systems under the Metrobank STRONG Online Management System**

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| Thesis Title 3 | **Improving Outcomes in Scholarship Administration through Metrobank STRONG Online Management System Integration** |
| Problem to solve | Many scholarship programs face challenges due to siloed processes that hinder the effective administration and communication between the different groups. This results to inefficient workflow, poor communication, negative experience with the program |
| Minimum Requirements: | |
| Integration | Should integrate to the Metrobank STRONG Online Management System |
| Application Management | \* Online application submission with document uploads. \* Status tracking for applicants (e.g., submitted, under review, accepted, denied). |
| Technical Assessment Designer | \* Online technical assessment that will immediately tell the students if they passed or not \* Must be able to design an **intelligent assessment** which includes option **to assess code** (e.g. Java, C#) and other standard types of questions (e.g. multiple choice, essay) |
| Interview Scheduler | \* Keep a calendar of interview schedules with date, interviewers, logistics etc. |
| Scholar Profile Management | \* Maintain detailed profiles for each scholar, including personal information, academic records, and progress tracking. |
| Contract Management | \* Automated workflow approval for contracts \* Secure storage for signed MOA, scholar contracts and other documents |

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| Thesis Title 4 | **Enhancing accountability through the integration of Financial Management in the Metrobank STRONG Online Management System** |
| Problem to solve | Manual processes often lead to inefficiencies and delays in scholarship disbursements, as well as inaccuracies in record keeping, which can result in budgeting discrepancies. Administrative burdens from repetitive tasks can overwhelm financial staff, making it difficult to ensure compliance with regulations. By automating these processes, the study aims to enhance efficiency, accuracy, and transparency, ultimately improving the experience for both administrators and scholars. |
| Minimum Requirements: | |
| Integration | Should integrate to the Metrobank STRONG Online Management System |
| Disbursement Approval Workflow | Create a workflow approval for allowance disbursements |
| Allowance Distribution | Track and manage allowances, including payment schedules and disbursement history. |
| Allowance Notification | Automated notifications for scholars regarding disbursements. |
| Budget Management | Monitor and manage the scholarship program budget, including expenditures and funding sources. |
| Financial Analysis | Apply **data analytics** to see a return on scholarship investments |

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| Thesis Title 5 | **Metrobank STRONG Online Management System Integration: Administration and Record Keeping** |
| Problem to solve | This study addresses the challenges faced by the program due to manual and fragmented systems that separate scholarship management, financial management, administration, and record-keeping. These disconnected processes result in inefficiencies, duplicated efforts, and delays in disbursing scholarships. Critical information is often siloed, hindering effective communication and leading to inaccurate reporting, which can affect budgeting and compliance. Additionally, the lack of transparency limits visibility into fund allocations, reducing accountability. By integrating these components into a unified system, the study aims to enhance operational efficiency, improve accuracy, and provide a better overall experience for both administrators and scholars. |
| Minimum Requirements: | |
| Metrobank STRONG Online landing page | Create the landing page for the online management system on which Thesis 3 and 4 will integrate to |
| Training Records & Skill Proficiency | View the complete training records of the scholar with status |
| Skills Proficiency | View summary of scholar's proficiency per skill |
| Grade Maintenance | Admin interface for entering and updating scholar's scholastic grades. |
| Feedback and Evaluation System | Collect and analyze feedback from scholars on training and mentorship experiences. Admin tools for reviewing and responding to feedback. |
| Reporting and Analytics | Generate comprehensive reports on program metrics (e.g. # of scholars that are P1 in certain skills) Customizable dashboards for real-time data visualization. |
| Document Management | Secure storage for all program-related documents, including applications, contracts, and reports. Easy retrieval and sharing options for authorized users |