



# American International University- Bangladesh

## ADVANCED PROGRAMMING IN WEB TECHNOLOGY

### Project Report Spring2019-2020

**Project Title:** Research Management System  
**Section:** B

Student Name	Student Id
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- **User Type**

<b>Role Name</b>	<b>Role Description</b>
Admin	An admin is a highly privileged user in this system. Almost everything will be controlled by the admin. Moreover, the rest of the user's most requests will be proceed by the Admin.
Faculty	A faculty will manage all those groups which have been assigned under his supervision. He will offer topic(s) to the system for the students to be applied.
Student	The role of a student in this system is to apply for a topic on which he will do his research and do rest of the necessary tasks under the supervision of a supervisor.

- **Functional Module**

<b>Serial No</b>	<b>Module Name</b>	<b>Module Feature</b>
M-1	Login	User can login to the system with a valid username and password.
M-2	Teacher Registration	User can create a teacher's account to the system.
M-3	Teacher Details	User can see teacher's details, update teacher's account information and delete teacher's account.
M-4	Student Registration	User can create a student's account to the system.
M-5	Student Details	User can see students details.
M-6	Student Account Manipulation	User can update student's account information and delete student's

		account.
M-7	Student Account Verify	User can see pending students list, download student's uploaded file to verify, verifies student's account for further process.
M-8	Block Student	User can temporarily block a student's account.
M-9	Unblock Student	User can unblock a student's account.
M-10	Block Teacher	User can temporarily block a teacher's account.
M-11	Unblock Teacher	User can unblock teacher's a account.
M-12	Add Semester	User can add a new semester and make the last semester as current semester.
M-13	Semester Details	User can see semesters details, update semester and delete semester.
M-14	Add Thesis Type	User can add a new thesis type.
M-15	Thesis Type Details	User can see thesis types details, update thesis type and delete thesis type.
M-16	Add Domain	User can add a new domain for research.
M-17	Domain Details	User can see domain details, update domain and delete domain.
M-18	Offer New Topic	User can offer topic(s) with domain, supervisor, thesis type information for the research.
M-19	Topic Details	User can see topic details, update topic and delete topic.
M-20	Allocate Group External	User can allocate external to a specific group.

M-21	Upload File	User can upload file (file type - .pdf, .doc, .docx and max size – 5.5MB) to a specific group.
M-22	Thesis Details	User can see thesis details of a specific group and also see the group members list.
M-23	Change Password	User can change own password.
M-24	Offer New Topic For Own	User can offer topic with domain, supervisor (the user himself), thesis type for the research.
M-25	Own Profile Update	User can update, view his or her profile details.
M-26	Own Offer Topic Details	User can update, view his or her own offer topic.
M-27	Update Progress	User can update thesis work progress.
M-28	Self-Registration	User can register through Register Page with his valid information.
M-29	See Available Topic	User can see all the available topics. He/She can also see each topic details by clicking Details button.
M-30	Apply Topic	If a user has not been enrolled in a topic, he can apply for one and at most one chosen topic to enroll in by clicking apply button to the corresponding topic sections.
M-31	See Enrolled Topic	User can see the topic in which he is enrolled in with necessary information (ex: progress etc).
M-32	See Group Members	User can see other members and necessary information who are engaged in the same group.
M-33	Upload Assessment File	User can upload any assessment

		file in a self specific group.
M-34	See Uploaded File	User can see all the uploaded documents in the group repository if uploaded any.
M-35	Download File	User can download necessary documents (.pdf, .doc, .docx) from the group repository if uploaded any.
M-36	Logout	User can logout from the system.

- **Module Accessibility**

User Role Name	Module
Admin	M-1, M-2, M-3, M-4, M-5, M-6, M-7, M-8, M-9, M-10, M-11, M-12, M-13, M-14, M-15, M-16, M-17, M-18, M-19, M-20, M-21, M-22, M-23, M-36.
Faculty	M-1, M-4, M-5, M-7, M-21, M-23, M-24, M-25, M-26, M-27, M-34, M-35, M-36.
Student	M-1, M-23, M-25, M-28, M-29, M-30, M-31, M-32, M-33, M-34, M-35, M-36.