Sri Lanka Institute of Information Technology

PROJECT REGISTRATION FORM

(This form should be completed and submitted on or before 3.00 PM, Friday 3rd March, 2017)

The purpose of this form is to allow final year students of the B.Sc. (Hon) degree program to enlist in the final year project group. Enlisting in a project entails specifying the project title and the details of four members in the group, the internal supervisor (compulsory), external supervisor (may be from the industry) and indicating a brief description of the project. The description of the project entered on this form will not be considered as the formal project proposal. It should however indicate the scope of the project and provide the main potential outcome.

PROJECT TITLE	Question and Answer Generation System from Course Materials for Grade 6/7 History Module.

RESEARCH GROUP	Computational Linguistics (Natural Language Process)

PROJECT NUMBER	062	(will be assigned by the lecture in charge)

PROJECT GROUP MEMBER DETAILS: (Please start with group leader's details)

	STUDENT NAME	STUDENT NO.	CONTACT NO.	EMAIL ADDRESS
1	A.S.M Nibras (GROUP LEADER)	IT14058424	0777867572	mohamednibras111@gmail.com
2	M.F.F Mohamed	IT14033506	0729822596	mffazeelmohamed2@gmail.com
3	I.S.M Arham	IT14121852	0779073060	arhamshan625@gmail.com
4	A.M.M Mafaris	IT13001162	0778339662	mafaris11@gmail.com

SUPERVISOR

Ms. Anjalie Gamage		03-03-2017
Name	Signature	Date

CO-SUPERVISOR (will be assigned by the Supervisor, if necessary)

Name	Signature	Date

EXTERNAL SUPERVISOR (if any, may be from the industry)

Name	Affiliation	Contact Address	Contact Numbers	Signature/Date

ACCEPTANCE BY CDAP MEMBER

Dr. Jeewani Bamunusinghe		07-03-2017
Name	Signature	Date

PROJECT DETAILS

Brief Description of your Research Problem:

These days' teachers in school are preparing exam question papers by referring to text books manually. This is a tedious work for them because they have to go through the entire syllabus by themselves and it's a huge time consuming work because school teachers have their busy schedules and some teachers are responsible for more than one class to teach. So it is very difficult for them to prepare exam papers for each class. Meantime, teacher has to create marking schemes for all papers. For creating marking schemes, teacher has to find answer for each question manually from the text book. These are the main problems faced during the time of preparing question papers for exams.

Description of the Solution:

In order to overcome the above-mentioned problems, we are going to develop an automated system for school teachers. Where initially subject teacher has to upload the soft copy of the text books to the system. Our system will analyze the text book, then it will be organized in chapters. Questions will be generated according to the organized text book contents and store them in a question bank. When the time of generating the question, relevant answers are also identified by the system. Generated questions and their answers are categorized according to chapters. This can be helpful for teachers when they are preparing exam questions and marking schemes.

Main expected outcomes of the project:

- Develop a system which will generate the question bank categorized in chapters when the teacher uploads the text book.

- Once the questions are generated, teacher has to set the question paper with their preference and allocate the marks for each question.

- When teacher has done preparing the question paper, marking scheme will be generated.

WORKLOAD ALLOCATION (Please provide a brief description about the workload allocation)

MEMBER 1	Categorizing the text book content according to the topic and store in the database.
	A.M.M Mafaris

When teacher uploads the text book to the system, it has to be categorized according to the content in each chapter using the table of content and store them into the database.

MEMBER 2	Filtering and identifying the content where the questions can be generated to test the knowledge.
	A.S.M Nibras

From each paragraph of each chapter, important sentences have to be extracted. Unnecessary contents will be filtered out from the paragraph. This will help in identifying them into meaningful questions.

MEMBER 3	Identifying key phrases and words that should be used to generate appropriate questions.
	I.S.M Arham

Sentences which were filter out in the earlier stage will be the input for this stage. Filtered sentences will be further proceed. Phrases and words for a sentence will be identified at this stage.

MEMBER 4	Forming proper questions using the identified key phrases from the context.
	M.F.F Mohamed

Questions will be generated at this stage. The sentences and their phrases and words will be focused on to generate the question. The generated questions and their answers will be stored in the question bank by organized in to chapters.

DECLARATION

"We declare that the project would involve material prepared by the Group members and that it would not fully or partially incorporate any material prepared by other persons for a fee or free of charge or that it would include material previously submitted by a candidate for a Degree or Diploma in any other University or Institute of Higher Learning and that, to the best of our knowledge and belief, it would not incorporate any material previously published or written by another person in relation to another project except with prior written approval from the supervisor and/or the

coordinator of such project and that such unauthorized reproductions will construe offences punishable under the SLIIT Regulations.

We are aware, that if we are found guilty for the above-mentioned offences or any project related plagiarism, the SLIIT has right to suspend the project at any time and or to suspend us from the examination and or from the Institution for minimum period of one year".

	STUDENT NAME	STUDENT NO.	SIGNATURE
1	A.S.M Nibras (GROUP LEADER)	IT14058424	
2	M.F.F Mohamed	IT14033506	
3	I.S.M Arham	IT14121852	
4	A.M.M Mafariz	IT13001162	