

# LAIRHUB – Lab Meeting

September 09, 2024

**Participants:** Nibras, Sunny

## Project Updates

Project	Project Associate	Updates / Action Item	Resource/ Notes
	Sunny	<ul style="list-style-type: none"> <li>• DCDI &amp; DCMI               <ul style="list-style-type: none"> <li>○ Registration Status (2n Sep)                   <ul style="list-style-type: none"> <li>■ DCDI: General- 18 (Invited 9) / Student - 4</li> <li>■ DCMI: General- 43 (Invited 4) / Student – 5 / Student Forum (Online) - 7</li> </ul> </li> <li>○ DCDI: Sent out the Call for Posters</li> <li>○ DCDI &amp; DCMI: Will send out Call for Volunteers, Asking to Andrea</li> <li>○ DCMI will offer 6 Complimentary registration code. One is for Javed. Need a list for 5.</li> <li>○ Add DCDI Invited Participant: Alan Galey, University of Toronto</li> </ul> </li> <li>• DCDI Mailing list               <ul style="list-style-type: none"> <li>○ SurveyMonkey- Will take it over from Carla</li> <li>○ Create list: 1) registered list 2) attracted prospect</li> </ul> </li> <li>• Research Grant               <ul style="list-style-type: none"> <li>○ Create a Grant Opportunities table under Project List: name of grant, Deadline, Link to Description</li> <li>○ Create a Grant Development List: Grant, Contact</li> <li>○ Find contact list of VPRI and Javed will give some advice to set up the meeting</li> </ul> </li> </ul>	
	Nibras	<ul style="list-style-type: none"> <li>• Review dissertation titled – “EYE-AS-AN-INPUT FOR IMPROVING INTERACTIVE INFORMATION RETRIEVAL”               <ul style="list-style-type: none"> <li>○ Our plan is to implement the methods into Aravind’s project</li> <li>○ Focus on web gaze, eye tracking and multimodal ways to interact with IS.</li> <li>○ Apply for REB for 20 subjects 1hour session</li> </ul> </li> <li>• ONGUARDM               <ul style="list-style-type: none"> <li>○ Create a client server architecture where the app is interacting with the server, anything we capture, we should store/upload to the backend server</li> <li>○ The backend server will also host the MEDEX database</li> <li>○ Our goal is to disambiguate the MEDEX database. We will improve the OCR, capture the medication and store them in the backend database</li> <li>○ Find out papers on:                   <ul style="list-style-type: none"> <li>■ Hand-written English character recognition</li> <li>■ What is the state of art accuracy today?</li> <li>■ Look for 1/2 recent paper that tackles the capture, disambiguation improvement of character</li> </ul> </li> </ul> </li> </ul>	-

		<p>recognition for hand-written text</p> <ul style="list-style-type: none"> <li>■ Find out some existing test and training set - hand-written English text</li> </ul>	
		<ul style="list-style-type: none"> <li>■ Find out pipeline and software for hand-written character recognition and disambiguation (it is an important field - lot of text exist in hand-written from, lot of interest to digitize them, store them in database, making available for mining and analysis)</li> <li>■ Develop and share a report on queries, and results – (ACM, IEEE, SCOPUS etc.)</li> <li>■ We are looking for - recent papers on English text, image captured, character recognition, disambiguation, open datasets, software, standard accuracy, and algorithms</li> <li>■ Our project is to developing a consumer health tool for lay public to keep track of their medication – it's a health informatics project not NLP project</li> <li>■ Develop a RDBMS on MEDEX</li> <li>■ Create another database for the prescription database. We will store separately if any medication could not be found on the main database</li> </ul> <ul style="list-style-type: none"> <li>○ We have our test set - prescription from ONTIK</li> </ul>	