



الجامعة الإسلامية العالمية

International Islamic University, Islamabad

CS801 – Research Trends in Computer Science

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Submitted By: PhD CS Research Scholars Batch 2K2K

Submitted To: Dr. Qaisar Javed (HEC Approved Research Supervisor)

Assignment Number 2: To Review Research Methodologies content in a listening & visual modes from provided MPEG-2 format videos, then converts to the standard textual format.

Purpose: To get familiar with PhD level Research Methodologies.

Video Content: Provided visual content exists in the MPEG-2 video old format. For this, needs to be convert into the latest format using online available CODEC(s) with Media Players.

Overall provided visual content exists into the three videos. Each video contains visual content display with following durations:

1. PhD Research A - 1 Minute 6 Seconds
2. PhD Research B - 8 Minutes 23 Seconds
3. PhD Research C - 22 Minutes 1 Second

Textual Review:

In all the videos, Research Scholar named 'Faheem-Ul-Islam' completed his doctorate level degree in 'Management' from University of Cambridge and recently joined LUMS, Lahore. Speaker mainly inspired from Dr. Ali Sajid belongs to the CASE Islamabad.

In all these set of videos, speaker mainly talked about PhD level research and the research methodologies considering its wide range topic. Clearly mentioned during his presentation 50-60% research gets changed from initial research proposal and no comprehensive work completes on 99% research proposals as described initially. Same way, focusing the content 'PhD research to PhD research always differ' with respect to the new theories and technologies with their gaps. Identified the units of Analysis based on testing environments with limitations and the de-limitations factor on priority. Prioritized advancements

phenomena on the behalf of new theories and the technologies. Allocation of the time and resources with integration of the previous work.

Mainly, Speaker target the audience using verbal conversation with few power point slides and covered following research methodology areas:

1. Qualitative Research
2. Quantitative research
3. Mixed Research Methods
4. Objective Research
5. Clustering in a Research
6. Research Frameworks
7. Integration of previous research
8. Research Hypothesis

Defined, latest literature review methods and also suggested to follow most recent publications comprehensive trends. Clearly, criticized about Quantitative research and mentioned 'normally it's failed due to many variables'.

Speaker also taken fewer questions from the audience, and replied according to the above defined research methodologies. And suggested to focus PhD instead just research topic and review most recent good Journal(s) with significant changes. And keep a target to publish research in an International Journal instead locally. Also discussed 'Data Samples' categorization on the basis of theory, validation and the available techniques. For this, clearly elaborated IT industry workflows in Islamabad having informatics material available in the HEC (Higher Education Commission) Research Databases and the university level Research databases. Overall described complete Research framework from PhD research topic to the publication in an International level journal.

Textual Review Conclusion:

Speaker directly criticized PhD research at all levels including title selection, purpose, methodologies, literature, analysis and the market trends at maximum. Less focused on way-arounds. Given less time to the audience for the cross questioning.

Note: Document compiled after retrieving information using 'Listening Activity', then written extracted information using 'textual standards'. Considered 'Plagiarism' restriction at best while compiling the textual data from provided 'Research Methodology' videos. Further, didn't used any Visual to text conversion third party tool during the complete activity.