Research Methodology Step 3:

Determine your Timeline and Scope

Dr. Arash Habibi Lashkari

(Ph.D. of Computer Science)

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Timeline and Scope

- Timetable
- Detail of Timeline
- Microsoft Project (MSP)
- Scope
- Applied or Basic
- Case or Sample



Timeline



Overlook of timeline

During Course Work

	Semester 1	Semester 2	Semester 3	Semester 4
Become acquainted with library and librarian	X			
Become acquainted with issues and literature				
in the field	X	X	X	X
Search for dissertation topic		X	X	X
Search for dissertation director			X	X
Choose a topic			X	X
Choose a director				X
Choose other committee members				X



Overlook timeline (Cont...)

Proposal Development (semester 5, by week)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Develop a topic	Χ	Χ	Χ	Χ	Х	X										
Consider grant or loan		X	X	X	X											
application if																
necessary																
Begin meeting with			X	X	X	X										
director to discuss																
proposa l																
Find out requirements				X	X	X										
for proposal																
submission																
Out li ne proposa l					X	Χ	X									
Complete detailed						X	X	X	X	X	X	X	X			
review of literature;																
construct theoretical																
framework; write																
review of literature																
chapter																
Decide on												X	X	X		
methodology, write																
method chapter																
Give proposal to														X	X	X
committee																



Overlook timeline (Cont...)

Proposal Defense and Conducting Research (semester 6, by week)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
File paperwork and schedule defense	Х															
Arrange permission, community contracts, and other preliminaries	Х	X	X													
Defend proposal		X	X	X	X											
Revise proposal if necessary				Х	Х	Х										
Meet with director to draw up schedule for research				X	X											
Conduct research for study					Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х
Analyze data from research														Х	Х	Х

Overlook timeline (Cont...)

Writing and Defending the Dissertation (semester 7, by week)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Out li ne dissertation	Χ															
Meet with director to discuss outline and preliminary data analysis	Х	Х	Х													
Update proposal chapters for dissertation		Х	Х	Х	Х	Х										
Write results chapter			Х	X	X	Х	X	Х	Х							
Write summary and conclusions chapter						Х	Х	Х	Х	Х	Х					
Find out requirements for submission and scheduling of final oral defense								Х	Х	Х	Х					
Polish writing, consult with editor if necessary										Х	Х	Х	Х			
Submit draft of dissertation to committee												Х	Х			
Submit dissertation paperwork and schedule for oral defense												Х	Х	Х		
Have dissertation professionally typed or printed fromword											Х	Х	Х	Х		
processor																
Defend dissertation													X	X	X	
Make minor revisions, if necessary														Х	Х	
Graduate																X

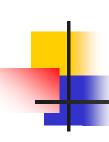


Details of Timeline

Year	Month	Title	Complete
1	Feb	Set up a meeting with your advisor to discuss PhD requirements (i.e., courses, research practicum, minor area paper, research, possible Dissertation topic, Dissertation Committee and timeframe to complete your Research).	
		Setting shorter and longer-term goals of your research now	
		Begin preparing topic	
		Choose related courses and modules to your research and discuss this with your advisor	
		Get involved with research and start to determine what research you would like to pursue for your dissertation.	
		Your thesis research should be underway!	



Year	Month	Title	Complete
1	Mar	Begin to discuss your Dissertation topic with your advisor	
		Identify co-supervisor based on your topic or research	
		Submit brief minor paper proposal	
1	Apr	Submit complete draft of minor area paper proposal to your Faculty	
		Start to Choose and complete related courses to your research parallel with your research	
		Researching Attending to related courses Meeting up with supervisor and Co-supervisor weekly	
2	Feb	Think about Publishing (if you have any idea)	
		Your thesis research should be underway!	



Year	Month	Title	Complete
2	Feb	Revise and resubmit your proposal to faculty	
	Mar	Submit final draft of thesis proposal to the committee	
	Apr	Submit final proposal to the faculty and ready to Presentation	
	May	Preparing the presentation of proposal	
	Jun	Attending to the oral presentation session fro proposal	
	Jul	Sitting with supervisor and co-supervisor for following the committee correction and advising	
	Aug	Complete and submit new version of proposal	
2		Think about publishing (if you have any idea)	
		Your thesis research should be underway!	



Sample of a PhD Research timeline:

Year	Month	Title	Complete
2	Sep	You should be continuing/completing your Dissertation data collection, other research	
		Continue your research	
		Focus on analyzing and test of your data	
3	Jan	Begin writing your dissertation draft	
	Feb	Preparing final model and contribution of research	
	May	Begin writing your dissertation final version	
		Think about Publishing	
		Your thesis research should be underway!	



Sample of a PhD Research timeline:

Year	Month	Title	Complete
3	Dec	Submit final dissertation to the faculty	
		Preparing presentation and be ready for Viva	
		Conducting a MAK viva	
		Think about Publishing	
		Your thesis research should be underway!	

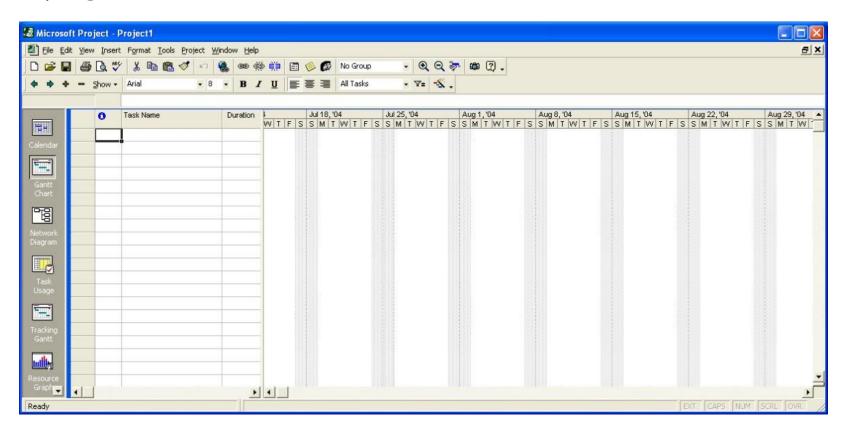


Microsoft Project (MSP)



Using Microsoft Project (MSP)

Microsoft Project (MSP) is a <u>project management software</u> program

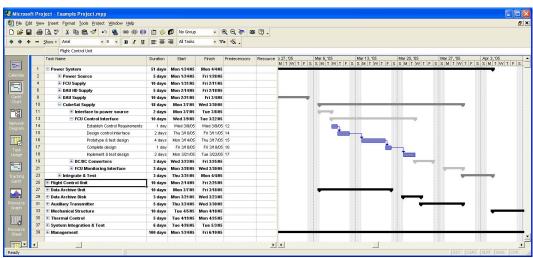




Using Microsoft Project (MSP)

It is designed to assist project managers in:

- developing plans
- assigning resources to tasks
- tracking progress
- managing budgets
- analyzing workloads

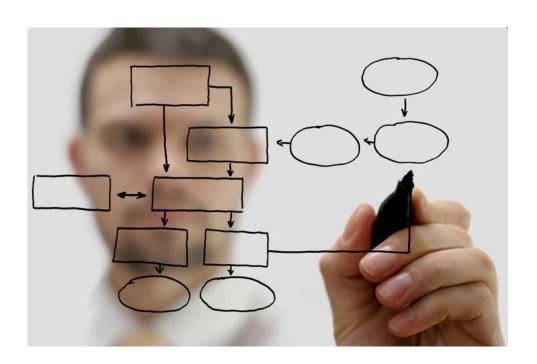


If you have any Fund, Grant or financial support then you can handle your research completely by MSP



MSP Offers

- MSP enables you to stay informed and control:
 - Project work
 - Schedules
 - Finances



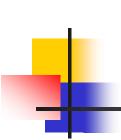
And to keep project teams aligned



The Research / Project Map

- The Research / Project Map outlines the three phases of the Research / project life cycle:
 - · Build a plan for your research and project
 - · Track and manage your research and project
 - Close your research and project





Track and Manage a Research / Project Activities

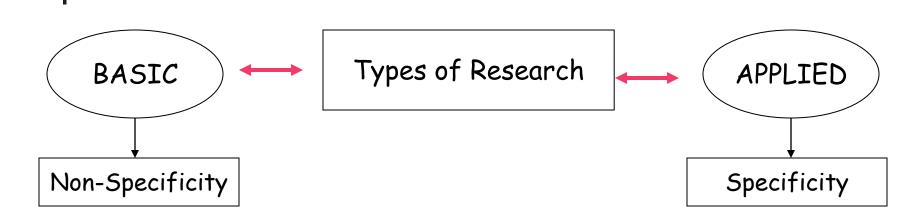
- Track progress
- Manage a schedule
- Manage resources (Time and Time and Time and...)
- Manage costs (Fund, Grant, ...)
- Manage risks





Scope

Scope of Research



Research is undertaken in numerous scientific disciplines such as:

- Natural / Physical Sciences
- Social Sciences
- Management Sciences
- Humanities

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case or sample?

Are you solving a single case of something, or is it a sample that will allow you to generalize to a population?

In a case study...

- ·You are interested in "what happened or will happen here".
- •The quest for an answer can be like that in a court case.
- •Be wary of conventional wisdom and your own prejudices.

In a sample study ...

- ·You are interested in "what happens in general".
- •Rarely, "what" is simply descriptive: the frequency, mean value or other simple statistic of something in the sample.
- •You control for other possible predictor variables either by holding them constant or measuring and including them in the analysis.

Scope is limitation

Make sure the problem is restricted in scope

Provide the area/scope that will be considered in the proposed research and justification why it is being considered

Justifying and deciding feasibility of your proposed work

Limitation and boundary of your research

Sample: Variables , Boundary of research , Limitation of research , Population of interest ,...

Such as: Number of factors in model, Android HP, Programming Language, number of nodes in net., list of equipments

Methodology:

Define the Boundary and Limitation Using time schedule management sys.



Step 4: How to find useful Sources (LR/RW)



"There is no way to get experience except through experience."