FORMULATE QUESTION	DESCRIPTION - Contains technology in a context showing an effect.
	GUIDELINES • Create question using a structured approach such as PICOT. • Validate question with FINER.
	CHECKLIST Question systematically constructed Question's formulation validated
	DESCRIPTION - A testable prediction based on the question.
FORMULATE HYPOTHESIS	GUIDELINES ► Contains: two or more variables, context, relationship between the variables ► 'If I [do X], then [Y] will happen.'
	CHECKLIST Hypothesis is formulated as prediction Prediction is testable
	DESCRIPTION - Search for evidence related to the research question. - Enlarge your Personal Evidence Pool. - Deepen your understanding of the research domain. - If necessary, incrementally refine the research question.
SEARCH FOR EXISTING EVIDENCE	GUIDELINES Try to find as much relevant evidence as possible Use 'Cited by' function of search engines Read through found work's bibliography Refer to Systematic Literature Reviews for a wide comparison of related work Find similar work using classification systems such as CCS If looking for alternatives, use search engine's autocomplete Note search strings for more structured search approach Too few search results? Make Research Question more general Too many/general search results? Narrow down Research Question
	CHECKLIST Rough understanding/overview Deep understanding Critical appraisal of relevant related work

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SUBSTANTIAL EVIDENCE?	DESCRIPTION Check if Personal Evidence Pool contains enough substantial evidence to answer the Research Question.
EXPERIMENT	DESCRIPTION - Design, Conduct and Evaluate Experiment. - TODO !recursive! GUIDELINES - TODO reference to [Experimenting in Software Engineering] - Use Briefing Form
	CHECKLIST Experiment Designed Experiment Conducted Experiment Evaluated Briefing Form filled in
ANSWER QUESTION	DESCRIPTION - Accept or reject Hypothesis based on evidence. - Answer the Research Question accordingly. GUIDELINES - Make sure evidence is substantial enough to answer the Research Question. - Try to avoid bias. (Confirmation Bias, Information Expectancy Bias,) CHECKLIST Hypothesis' validity is evaluated Research Question is answered

	DESCRIPTION - Discuss the whole study, suggest future approaches and limits.
DISCUSSION	GUIDELINES • Critically assess study using EBSE checklist \cite[p. 62]{Dyba2005}. • Put study in relation to larger context.
	CHECKLIST Content of study critically assessed Study put in larger context
	DESCRIPTION - Reflect on your work in the previous steps and seek ways to improve your future performance.
EVALUATE PROCESS	GUIDELINES ► Use After Action Review and Postmortem Analysis\cite{Dyba2005}.
	CHECKLIST AAR done PMA done Conclusions drawn for future processes

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