



# 5 Step coaching process for coaching in design based learning

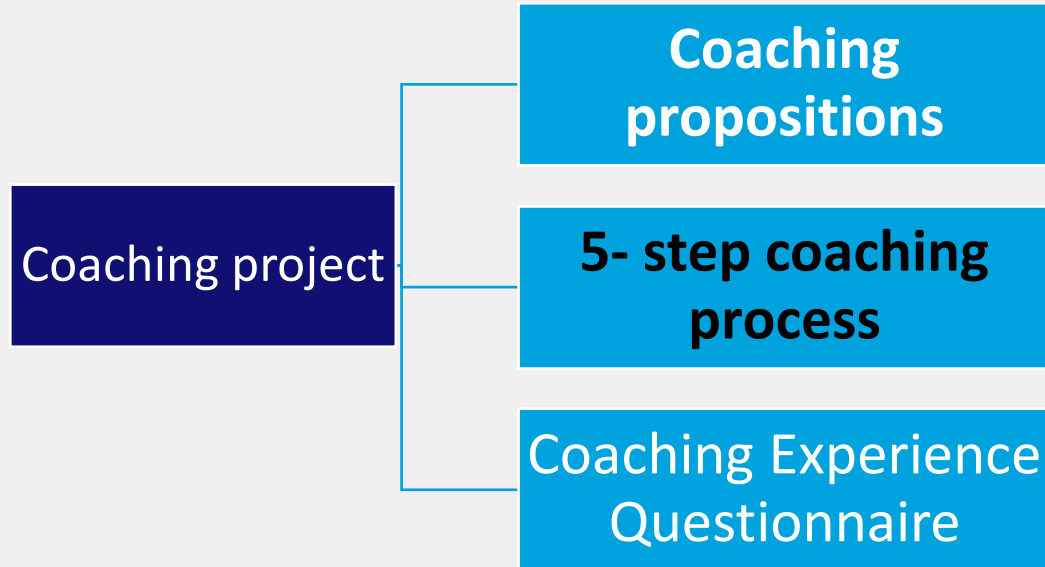
Dr. M. R. van Diggelen (ID),

dr. K.I. Doulougeri & dr. ir. G.J.T. Bombaerts (IE & IS)

dr. R.J.A. Kamp (DPO-PD)

Funded by the 4TU/e Centre of Engineering Education

# Coaching Project Deliverables

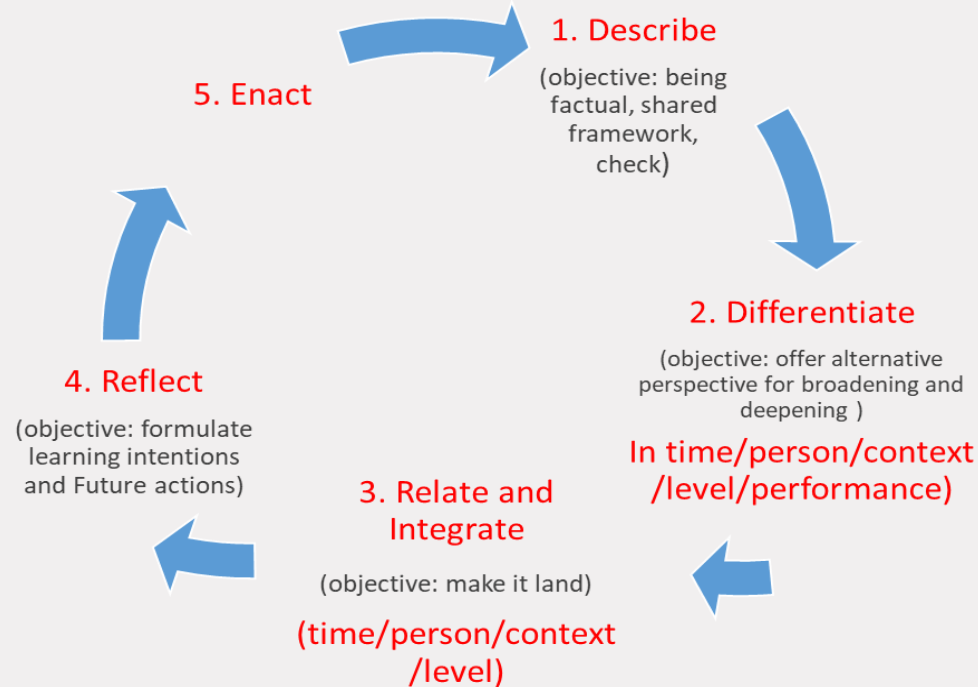


Authors: M.R. van Diggelen ab\*, K. I. Doulougeri b, S.M. Gomez-Puente b, G. Bombaerts b, K. J. H. Dirx a, R. J. A. Kamp b

Coaching in Design Based Learning, a research study, which is granted by TU/E EDUCATION INNOVATION FUND 2018 of the 4TU.Centre for Engineering Education (4TU.CEE).

Disclaimer: Work in progress: not to be used without permission of the authors.

# 5- step coaching process



Steps	1. Describe	2. Differentiate	3. Relate/Integrate	4. Reflect	5. Enact
<b>Objective</b>	Being factual, shared framework, check	Offer alternative perspective for broadening and deepening	Make it land	Formulate learning intentions and future actions	Make the next step forward
<b>Tasks for students</b>	<ul style="list-style-type: none"> <li>- Expectation management</li> <li>- Problem exploration and perspective taking for knowledge-discovery and plan making</li> <li>- Plan of approach</li> <li>- Problem definition (narrowing-down)</li> </ul>	<ul style="list-style-type: none"> <li>- Systems thinking (thinking holistically about a problem) (taking users into account)</li> </ul>	<ul style="list-style-type: none"> <li>- Project-decision making and action</li> <li>- Relating design experiences to personal and professional experiences</li> </ul>	<ul style="list-style-type: none"> <li>-Project monitoring (time management, deadlines, deliverable)</li> <li>-Design process monitoring</li> <li>-Effective teamwork (effective team – leadership)</li> <li>-explore own PI and PI of the coach</li> </ul>	<ul style="list-style-type: none"> <li>Final product</li> <li>Design skills</li> <li>Professional Identity</li> </ul>
<b>Coaching Questions</b>	<ul style="list-style-type: none"> <li>- What would you like to get out of this meeting?</li> <li>- If we look back at the previous week;</li> <li>- What were the objectives we formulated?</li> </ul>	<ul style="list-style-type: none"> <li>- What have you been doing this week and to what extent</li> <li>- Where the objectives realized?</li> <li>- Why do you think do we offer such an open project where you need to find out and explore many issues on your own?</li> <li>- So, now we change sides. Some of you will act as coaches for the next ten minutes.</li> <li>- Which questions do you want to state to the other team-members?</li> <li>- Please go ahead... If you were the user: what would you like to tell?</li> </ul>	<ul style="list-style-type: none"> <li>- Can you please summarize what we discussed during this meeting?</li> <li>- What are the main lessons you learned?</li> <li>- You stated that the user is important yet you do not involve the user in your design, how come?</li> <li>- What does the openness of the project mean for your approach?</li> </ul>	<ul style="list-style-type: none"> <li>-How do you need to deal with it?</li> <li>-How will you cope with it?</li> <li>-What could you possibly have done to improve the effectivity and effectiveness of your approach?</li> </ul>	<ul style="list-style-type: none"> <li>-How are you planning to move forward?</li> <li>-What are the actions you will take?</li> </ul>
<b>Coaching<sub>4</sub> aspects</b>	Creating a safe coaching environment & Fostering coaching dialogue among team members				