Rubric for the assessment of individual student portfolio for Data Science for Smart Environments (GRS35306)

Criterion	Mark for item					
	1-3	4-5	6	7	8	9-10
Individual student portfolio						
1. Application of data science skills to meet personal learning goals	Absent, not explicitly given	Some data science skills presented. Link between skills and learning goals is unclear and/or lacking	Data science skills are applied to meet learning goal/s with clear focus and delineation	Data science skills are applied to meet their learning goals. Clear focus and delineation -demonstratable range of skills	Data science skills are applied to meet ALL their learning goals. - demonstratable range of skills with clear reference to ALL learning goals	Proficient data science skills are applied to meet ALL their learning goals. - demonstratable range of skills with novel skills to meet learning goals
2. Evaluation of the quality of the data sources and the incorporation/ understanding of its limitations	Absent, Vague, unclear	Data quality isn't evaluated using appropriate techniques -Understanding of its limitations aren't acknowledged	Data quality is evaluated using appropriate techniques -Understanding of its limitations aren't sufficiently acknowledged	Data quality is evaluated using appropriate techniques -Understanding of its limitations are sufficiently acknowledged	Data quality is evaluated using appropriate techniques -Understanding of its limitations are sufficiently acknowledged the steps taken are clear and retraceable	Data quality is evaluated using a range of appropriate techniques -Understanding of its limitations are sufficiently acknowledged and steps taken are clear and retraceable
3. Written reflection and examples on the societal implications of using smart technologies	Absent with no examples	Societal implications mentioned but no examples provided	Examples of societal implications provided yet limited and reflection is inconsistent.	Examples of societal implications are reflected on and clearly acknowledged	Examples of societal implications are clearly reflected on and the examples given are sufficient with references	Examples of societal implications are clearly reflected on and the examples given are sufficient with references -societal implications are novel and stimulate innovation
4. Boundary crossing competence (BCC) examples given with a reflection on how these have developed their own learning	BCC absent	BCC example provided but a reflection and connection between own learning path is lacking	BCC examples (x2) provided with a reflection between how these have developed their own learning	BCC examples (x2) provided with a reflection and connection between own learning path and clear delineation of BCC (Identification/coordination/reflection/transformation) is identified	BCC examples (x2) provided with a reflection and connection between own learning path and clear delineation of BCC (Identification/coordination/reflection/transformation) is identified -reference provided	BCC examples (x2) provided with a reflection and connection between own learning path and clear delineation of BCC (Identification/coordination/reflection/transformation) is identified -reference provided and motivation to continue developing BCC competence is stated

Rubric for the assessment of student portfolio for Data Science and Smart Environments (January 2022)