FIELDS OF QUALIFICATIONS IN NQF-HETR: ENGINEERING		PROGRAMME OUTCOMES (POs)										
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Knowledge	KNW 1	■										
Skills	SKL 1	■										
	SKL 2		■									
	SKL 3			■								
	SKL 4				■							
	SKL 5					■						
Competence (Autonomy and Responsibility Competence)	ARC 1						■					
	ARC 2								■			
Competence (Learning to Learn Competence)	LLC 1								■			
	LLC 2								■			
	LLC 3	■										
	LLC 4		■									
	LLC 5			■								
	LLC 6				■							
	LLC 7						■					

Competence (Communication and Social Competence)	**CSC 1**											
	CSC 2											
	CSC 3											
	CSC 4											
	CSC 5											
Competence (Occupational and/or Vocational Competence)	**OVC 1**											
	OVC 2											
	OVC 3											

FIELDS OF QUALIFICATIONS IN NQF-HETR 52 - ENGINEERING AND ENGINEERING TRADES						
NQF-HETR LEVEL	**KNOWLEDGE (KNW)** **-Theoretical** **-Conceptual**	**SKILLS (SKL)** **-Cognitive** **-Practical**	**PERSONAL & OCCUPATIONAL COMPETENCES**			
			Autonomy & Responsibility Competence (ACR)	**Learning to Learn Competence (LLC)**	**Communication and Social Competence (CSC)**	**Occupational and/or Vocational Competence (OVC)**
6 **BACHELOR'S** ——— **EQF-LLL:** 6. Level ——— **QF-EHEA:** 1. Cycle	**KNW 1-** The student has sufficient background in the fields of mathematics, science and engineering fields related to his field.	**SKL 1-** The student has the ability to use mathematics, sciences and theoretical knowledge together to solve problems related to engineering. **SKL 2-** The student identifies, defines, formulates and solves the problems in engineering, selects and applies appropriate analytical methods and modeling techniques. **SKL 3-** The student applies modern design techniques to analyze a process which defines the requirements of a system. **SKL 4-** The student has the ability to	**ACR 1-** The student works efficiently either individually or in a very disciplined team **ACR 2-** The student uses the databases and other informative sources to gather information.	**LLC 1-** The student uses the databases and other informative sources to gather information. **LLC 2-** The student is aware of the need for 'Lifelong Learning' and develops his knowledge about his job. **LLC 3-** The student has the ability to use mathematics, sciences and theoretical knowledge together to solve problems related to engineering **LLC 4-** The student identifies, defines, formulates and solves the	**CSC 1-** The student uses advanced computer programs(European Computer Using License at least) and communicative technologies in his field **CSC 2-** The student uses a foreign language to communicate effectively in spoken and written ways **CSC 3-** The student has the ability to communicate using technical drawings **CSC 4-** The student uses the databases and other informative sources to gather information. **CSC 5-** The student is aware of engineering solutions in a global and societal context and practices, and the	**OVC 1-** The student has professional and ethical responsibility. **OVC 2-** The student is aware of project management, workplace practices, employee health, environmental and occupational safety; and about the legal implications of engineering applications. **OVC 3-** The student is aware of the effects of engineering solutions and applications shows that the global and societal context; aware of entrepreneurship

		choose the correct modern and technical equipment for engineering applications. **SKL 5-** The student designs and makes experiments, and collects the data and interprets the results.		problems in engineering, selects and applies appropriate analytical methods and modeling techniques. **LLC 5-** The student applies modern design techniques to analyze a process which defines the requirements of a system. **LLC 6-** The student has the ability to choose the correct modern and technical equipment for engineering applications. **LLC 7-** The student works efficiently either individually or in a very disciplined team.	effects of entrepreneurship and innovation.	and innovation and a knowledge of contemporary issues.