

APPENDIX

Assessing the Competencies of Engineering Students in Generic Skills: Insights from India

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Generic Skills Perception Questionnaire (GSPQ)

Generic Skills	Respective Scale Item	1	2	3	4	5
Academic and Problem-Solving Skills	SC1:Design and conduct experiments					
	SC2:Analyze and interpret data from experiments					
	SC3:Identify and solve engineering problems					
	SC4:Possess IT skills					
	SC5:Apply knowledge of mathematics, science, and engineering					
	SC6:Use engineering equipment					
	SC7:Design a system, component, or process					
Interpersonal Skills	SC8:Be flexible					
	SC9:Be open minded					
	SC10:Offer support and ideas to others					
	SC11:Negotiate to reach a decision					
	SC12:Work together and listen to others' opinions					
	SC13:Handle conflicts					
	SC14:Persuade others					

	SC15:Build and maintain working relationships						
Community and Citizenship Knowledge	SC16:Be aware of political issues						
	SC17:Be aware of social issues						
	SC18:Be aware of economic and environmental issues						
Leadership Skills	SC19:Motivate and supervise others						
	SC20:Coordinate and plan tasks						
	SC21:Build team cohesion						
Professional Effectiveness	SC22:Understand roles and responsibilities						
	SC23:Understand professional and ethical responsibility						
	SC24:Understand and respect other professionals						
Information and Communication Literacy	SC25:Research information						
	SC26:Identify relevant information						
	SC27:Express and receive ideas clearly						
	SC28:Write concisely						
Critical Thinking	SC29:Generate new ideas						
	SC30:Think critically						
	SC31:Think and act independently						
Self-Management Skills	SC32:Organize things effectively						
	SC33:Self-reflection						
	SC34:Manage time and meet deadlines						
	SC35:Be punctual to classes or meetings						

Note: 1: Very Poor; 2: Poor; 3: Can't decide; 4: Good; 5: Very Good

Source: Chan et al. (2017)