

APPROVED



Awards
Certificate

Programme Code:	CR_KSSAR_9
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Mode of Delivery:	Distance Learning
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No. of Semesters:	2
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NFQ Level:	9
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Embedded Award:	No
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Programme Credits:	15
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programmeReviewDate:	May 2024
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Department:	COMPUTER SCIENCE
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Programme Outcomes

Upon successful completion of this programme the graduate will be able to demonstrate... :

PO1	Knowledge - Breadth
	(a) A mastery of advanced theoretical and practical knowledge and skills relevant to addressing the security requirements in all aspects of designing and assessing an enterprise information technology architecture
PO2	Knowledge - Kind
	(a) A capacity to critically appraise developments in the field of cybersecurity in order to address emerging threats and employ new tools and techniques to secure all aspects of enterprise information technology architecture.
PO3	Skill - Range
	(a) An ability to select and apply state-of-the-art tools and techniques to address the security requirements of all aspects of enterprise information technology architecture.
PO4	Skill - Selectivity
	(a) An ability to identify and respond to emerging cybersecurity threats and selectively apply new and emerging tools and techniques to the securing of all aspects of enterprise information technology architecture.
PO5	Competence - Context
	(a) Analyse and document a wide variety of cybersecurity risks and act to design measures to minimise those risks and their potential impact on large and medium enterprises.
PO6	Competence - Role
	(a) Develop the technical competence required for the role of Secure Systems Architect for medium and large organisations.
PO7	Competence - Learning to Learn
	(a) An ability to reflect on the strengths and weaknesses of their own knowledge and skills. An ability to direct their continuing professional development so as to address recent developments in the cybersecurity landscape.
PO8	Competence - Insight
	(a) A critical appreciation of the wider societal implications of design choices made in developing cybersecurity infrastructure. An ability to maintain professional integrity and high ethical standards to the application of cybersecurity and privacy principles to organisational requirements.

Semester Schedules

Stage 1 / Semester 1

Mandatory	
Module Code	Module Title
CYBR9004	Cryptography and Protocols
CYBR9005	Information Security Architect

Stage 1 / Semester 2

Mandatory	
Module Code	Module Title
CYBR9006	Secure Systems Architecture