



**APPROVED**

<b>Awards</b>			
Bachelor of Science (Hons)			
<b>Programme Code:</b>	BSHC	<b>Mode of Delivery:</b>	Full Time, Part Time, Online
		<b>No. of Semesters :</b>	8
<b>NFQ Level:</b>	8		
<b>Embedded Award:</b>	No	<b>Programme Credits:</b>	240
<b>Language of Instruction:</b>	English		
<b>Department:</b>	School of Computing		
<b>CAO Code:</b>	1. NC003		
<b>Programme Extra Information:</b>	Please note that the 4th Stage curriculum takes effect from September 2016.		

## Semester Schedules

Stage 1 / Location: IFSC Campus / Semester 1

Core Subject	
Module Code	Module Title
H6MYL	<a href="#">Managing Your Learning</a>
H6CI	<a href="#">The Computing Industry</a>
H6PSP	<a href="#">Problem Solving and Programming Concepts</a>
H6IMBC	<a href="#">Introduction to Mathematics for Business &amp; Computing</a>
H6WD	<a href="#">Web Design</a>

Stage 1 / Location: IFSC Campus / Semester 2

Core Subject	
Module Code	Module Title
H6DM	<a href="#">Digital Multimedia</a>
H06IP	<a href="#">Introduction to Programming</a>
H06OPS	<a href="#">Operating Systems</a>
H6SAB	<a href="#">Software Applications for Business</a>
H06CA	<a href="#">Computer Architecture</a>

Stage 1 Award : Bachelor of Science (Honours)

Stage 2 / Location: IFSC Campus / Semester 1

Core Subject	
Module Code	Module Title
H6WAD	<a href="#">Web Application Development</a>
H06SPM	<a href="#">IT Project Management</a>
H6FBA	<a href="#">Fundamentals of Business Analysis</a>
H06ID	<a href="#">Introduction to Databases</a>
H06OOP	<a href="#">Object Oriented Programming</a>

Stage 2 / Location: IFSC Campus / Semester 2

Core Subject	
Module Code	Module Title
H06BE	<a href="#">Business Entrepreneurship</a>
H06DCN	<a href="#">Data Communications and Networking</a>
H6ITP	<a href="#">Interdisciplinary Team Project</a>
H06DSA	<a href="#">Data Structures</a>
BSHC16	<a href="#">Software Engineering</a>

Stage 3 / Location: IFSC Campus / Semester 1

Core Subject	
Module Code	Module Title
H7TPR	<a href="#">Team Project</a>
H7AIT	<a href="#">Advanced Internet Technologies</a>
H7AVB	<a href="#">Advanced Databases</a>
H7APR	<a href="#">Advanced Programming</a>
Optional	
Module Code	Module Title
H7WN	<a href="#">Wireless Networking</a>

Stage 3 / Location: IFSC Campus / Semester 2

Group Elective 1	
Module Code	Module Title
H7WRKPL	<a href="#">Work Placement</a>
Group Elective 2	
Module Code	Module Title
H7ALC	<a href="#">Application Lifecycle</a>
H7BCS	<a href="#">Business Communication Skills- Enhance Your Personal Impact</a>
H7BAD	<a href="#">Business Application Development</a>

## Stage 4 / Location: IFSC Campus

### Group Data

Group: CLOUD - Cloud Computing Stream			
Code	Module Title	M/E	Sem
BHSCDAD	Module : Data Application Development	Optional	1
H8CAD	Module : Cloud Application Development	Optional	2
H8CINF	Module : Computing Infrastructure	Optional	2
H8CLCO	Module : Cloud Computing	Optional	1
H8DSY	Module : Distributed Systems	Optional	2
Group: CYBER - Cybersecurity Stream			
Code	Module Title	M/E	Sem
H8ASPR	Module : Advanced Secure Programming	Optional	2
H8DIGFOR	Module : Digital Forensics	Optional	2
H8PENTST	Module : Penetration Testing	Optional	2
H8SAPRG	Module : Secure Application Development	Optional	2
H8SECP	Module : Security Principles	Optional	2
Group: DALT - Data Analytics			
Code	Module Title	M/E	Sem
BHSCDAD	Module : Data Application Development	Optional	1
H8ABDA	Module : Advanced Business Data Analysis	Optional	2
H8BDA	Module : Business Data Analysis	Optional	1
H8DWM	Module : Data and Web Mining	Optional	2
Group: GMG - Gaming and Multimedia			
Code	Module Title	M/E	Sem
H8AAI	Module : Applied Artificial Intelligence	Optional	2
H8CG	Module : Cloud Gaming	Optional	2
H8CGD	Module : Computer Graphics Design and Animation	Optional	1
H8MAD	Module : Multimedia and Mobile Application Development	Optional	1

H8UDGN	Module : Usability Design	Optional	2
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Group: IoT - Internet of Things Stream

Code	Module Title	M/E	Sem
H8CAD	Module : Cloud Application Development	Optional	2
H8DMV	Module : Data Analytics and Visualisation	Optional	2
H8IAD	Module : IOT Application Development	Optional	2
H8IOTP	Module : IoT Principles	Optional	2
H8MAD	Module : Multimedia and Mobile Application Development	Optional	1

Group: MAD - Mobile Application Development Stream

Code	Module Title	M/E	Sem
H8AMA	Module : Advanced Mobile Application Development	Optional	2
H8DSY	Module : Distributed Systems	Optional	2
H8MAD	Module : Multimedia and Mobile Application Development	Optional	1
H8UDGN	Module : Usability Design	Optional	2

Group: SWD - Software Development Stream

Code	Module Title	M/E	Sem
BHSCDAD	Module : Data Application Development	Optional	1
H8CAD	Module : Cloud Application Development	Optional	2
H8DSY	Module : Distributed Systems	Optional	2
H8MAD	Module : Multimedia and Mobile Application Development	Optional	1
H8UDGN	Module : Usability Design	Optional	2

Stage 4 / Location: IFSC Campus / Semester 1

Core Subject	
Module Code	Module Title
H8SPR	<a href="#">Software Project</a> ( Part 1 of 2 )
H8SMG	<a href="#">Strategic Management</a>
BSHC23	<a href="#">Introduction to Artificial Intelligence</a>
H8WSAPIDEV	<a href="#">Web Services and API Development</a>
Optional	
Module Code	Module Title
H8IOTP	<a href="#">IoT Principles</a>
H8CLCO	<a href="#">Cloud Computing</a>
H8CGD	<a href="#">Computer Graphics Design and Animation</a>
H8BDA	<a href="#">Business Data Analysis</a>
H8BNS	<a href="#">Business and Network Security</a>
BHSCDAD	<a href="#">Data Application Development</a>
H8MAD	<a href="#">Multimedia and Mobile Application Development</a>

Stage 4 / Location: IFSC Campus / Semester 2

Core Subject	
Module Code	Module Title
H8SPR	<a href="#">Software Project</a> ( Part 2 of 2 )
Optional	
Module Code	Module Title
H8SAPRG	<a href="#">Secure Application Development</a>
H8DIGFOR	<a href="#">Digital Forensics</a>
H8PENTST	<a href="#">Penetration Testing</a>
H8CINF	<a href="#">Computing Infrastructure</a>
H8CAD	<a href="#">Cloud Application Development</a>
H8DMV	<a href="#">Data Analytics and Visualisation</a>
H8AAI	<a href="#">Applied Artificial Intelligence</a>
H8CG	<a href="#">Cloud Gaming</a>
H8AMA	<a href="#">Advanced Mobile Application Development</a>
H8DWM	<a href="#">Data and Web Mining</a>
H8ABDA	<a href="#">Advanced Business Data Analysis</a>
H8UDGN	<a href="#">Usability Design</a>
H8DSY	<a href="#">Distributed Systems</a>
H8SECP	<a href="#">Security Principles</a>
H8ASPR	<a href="#">Advanced Secure Programming</a>
H8IOTP	<a href="#">IoT Principles</a>
H8IAD	<a href="#">IOT Application Development</a>