



## College of Computer and Information Sciences

### Department of Information Technology

Program Name: **MS in Cybersecurity and Digital Forensics (CSDF)**

**Graduate Attributes Trend Analysis  
(2021-2022 to 2023-24)**

## Graduate Attributes and Program Learning Outcomes (PEOs)

### Program Goals:

The program will produce graduates who:

**PEO1: Practice as computing professionals in areas of Cybersecurity and Digital Forensics with an appropriate combination of theoretical knowledge and hands-on skills.**

**PEO2: Enhance their skills in wide aspects of the security of information systems and specialized skills in computer security incidents and crime evidence and master new computing technologies through self-directed professional development or conduct research in Cybersecurity and Digital Forensics field.**

**PEO3: Follow a career path toward leading positions in the Cybersecurity and Digital Forensics field and serve the community.**

So, the graduates' attributes (GA) can be summarized as follows:

Graduates are expected to be:

GA1 Specialists in of Cybersecurity and Digital Forensics with an appropriate combination of theoretical knowledge and hands-on skills

GA2 Able to develop their skills and master new computing technologies through self-directed professional development.

GA3 Active team player, communicates effectively and serve the community

**TABLE 1: PEOs and PLO Mapping**

PEOs/ PLO	K 1	S 1	S 2	S 3	S 4	S 5	V 1	V 2
PEO1	X	X	X		X	X		
PEO2			X		X		X	
PEO3				X	X		X	X

**Table 2: The consistency matrix of Program Learning Outcomes with Graduate Attributes (2022-23)**

Graduate Attributes of Information Technology			
PLOs	GA1	GA2	GA3
K1	X		
S1	X		
S2	X	X	
S3			X
S4	X	X	X
S5	X		
V1		X	X
V2			X

**PLO ATTAINMENT (2022-2024)**

PLO	Targeted Performance (%)	Assessment Results 2022 Achieved %	Assessment Results 2023 Achieved %	Assessment Results 2024 Achieved %
K1	70	88	85	93
S1	70	80	85	90
S2	70	81	86	89
S3	70	94	95	91
S4	70	85	87	91
S5	70	96	95	96
V1	70	88	91	93
V2	70	87	87	95

**Graduate Attributes: 2023-24**

Graduate Attributes of Information Technology			
PLOs	GA1	GA2	GA3
K1	93%		
S1	90%		
S2	89%	89%	
S3			91%
S4	91%	91%	91%

S5	96%		
V1		93%	93%
V2			85%
Average	<b>92</b>	<b>91</b>	<b>90</b>

### Graduate Attributes: 2022-23

Graduate Attributes of Information Technology			
PLOs	GA1	GA2	GA3
K1	85%		
S1	85%		
S2	86%	86%	
S3			95%
S4	87%	87%	87%
S5	96%		
V1		91%	91%
V2			87%
Average	<b>88</b>	<b>88</b>	<b>90</b>

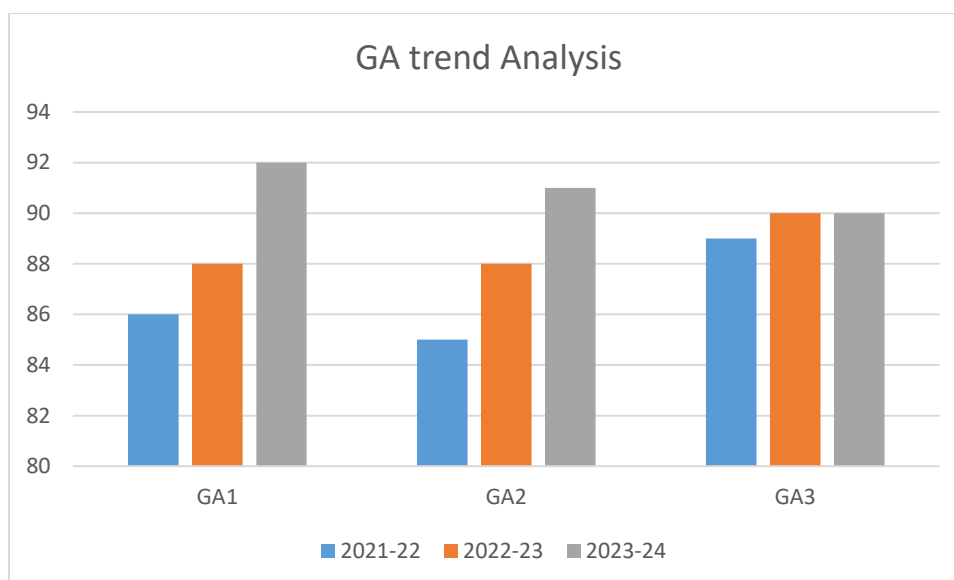
### Graduate Attributes: 2021-22

Graduate Attributes of Information Technology			
PLOs	GA1	GA2	GA3
K1	88%		
S1	80%		
S2	81%	81%	
S3			94%
S4	85%	85%	85%
S5	96%		
V1		88%	88%
V2			87%
Average	<b>86</b>	<b>85</b>	<b>89</b>

	PLOs	GA1	GA2	GA3
2023-24	Average	92%	91%	90%
2022-23	Average	88%	88%	90%
2021-22	Average	86%	85%	89%

### Graduate Attribute Trend Analysis (2022- 2024)

	2021-22	2022-23	2023-24
GA1	86	88	92
GA2	85	88	91
GA3	89	90	90



### Graduate Attribute Trend Analysis (2022-2024)

#### Analysis

All the graduate attributes continuously improved and attained above than department target level of 70%.It reflect the quality of teaching learning process.