BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY ANNUAL ASSESSMENT PLAN & FINDINGS
2022-2023 ACADEMIC YEAR

2022 – 2023 CURRICULUM MAP

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
	Analyze a complex computing problem and to apply principals of computing and other relevant disciplines to identify solutions.	Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.	Communicate effectively in a variety of professional contexts.	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.	Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.	Identify and analyze user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computer-based systems.
MAT 232: Statistical Literacy	I		I			
ECO 203: Principles of Macroeconomics	R		R			
ENG 328: Scientific & Technical Writing	R		R			
TEC 101: Fundamentals of Information Technology & Literacy	R		R			I
CPT 200: Fundamentals of Programming Languages	R	I	R			R
CPT 301: Computer Organization & Architecture	R		R			
CPT 304: Operating Systems Theory & Design	R		R			
CPT 307: Data Structures, Algorithms, & Designs	R	R	R			R
INT 301: Computer Networking	R		R			R
CPT 310: Database Systems & Management	R	R	R			R
CYB 300: System Administration & Security	R		R	I	I	R

CST 301: Software Technology & Design	R	R	R			R
TMG 300: Scrum Basics	R		R	R	R	
INT 302: Programming with C++	R	R	R			R
INT 303: Human Computer Interaction	R			R		R
INT 304: Web Design & Development	R	R	R	R		R
INT 305: Mobile Application Design & Development	R	R	R			R
INT 401: Information Technology Strategy & Management	R		R	R		R
INT 499: Capstone for Information Technology	M	M	M	M	M	M

I (Introduced), **R** (Reinforced), or **M** (Mastered).

ANNUAL ASSESSMENT PLAN FINDINGS					
PLO 1 - Analyze a complex computing problem and to apply principals of computing and other relevant disciplines to identify solutions.					
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: INT 301 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	67	96	69.8%	3. DOES NOT MEET THE ACCEPTABLE TARGET

Direct Measure 2: INT 302 Week 4 Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	69	83	82.1%	1. EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 3: INT 499 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	368	376	97.9%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 1: INT 301 End of Course Survey: The quality of my educational experience has met my expectations.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	59	67	88.1%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 2: INT 301 End of Course Survey: I would	70% or more of students who complete and return the End of Course Survey express	54	67	80.1%	1. EXCEEDS THE ACCEPTABLE TARGET

recommend this course to another student.	satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.				
PLO 2 - Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.					
MEASURE	**ACCEPTABLE TARGET**	**TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET**	**TOTAL NUMBER OF STUDENT RECORDS OBSERVED**	**ASSESSMENT RESULTS:** **PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET**	**ASSESSMENT RESULTS:** **1. EXCEEDS THE ACCEPTABLE TARGET** **2. MEETS THE ACCEPTABLE TARGET** **3. DOES NOT MEET THE ACCEPTABLE TARGET** **4. INSUFFICIENT DATA**
Direct Measure 1: INT 302 Week 2 Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	352	360	96.7%	1. EXCEEDS THE ACCEPTABLE TARGET

Direct Measure 2: INT 302 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	236	252	92.5%	1. EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 3: INT 304 Week 2 Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	74	77	96.1%	1. EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 4: INT 499 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	650	679	95.7%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 1: INT 302 End of Course Survey: The quality of my educational experience has met my expectations.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	14	15	93.3%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 2: INT 302 End of Course	70% or more of students who complete and return the End of Course Survey express	13	15	86.7%	1. EXCEEDS THE ACCEPTABLE TARGET

Survey: I would recommend this course to another student.	satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.				
PLO 3 - Communicate effectively in a variety of professional contexts.					
MEASURE	**ACCEPTABLE TARGET**	**TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET**	**TOTAL NUMBER OF STUDENT RECORDS OBSERVED**	**ASSESSMENT RESULTS:** **PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET**	**ASSESSMENT RESULTS:** **1. EXCEEDS THE ACCEPTABLE TARGET** **2. MEETS THE ACCEPTABLE TARGET** **3. DOES NOT MEET THE ACCEPTABLE TARGET** **4. INSUFFICIENT DATA**
Direct Measure 1: TMG 300 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	263	278	94.6%	1. EXCEEDS THE ACCEPTABLE TARGET

Direct Measure 2: INT 499 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	511	527	97.0%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 1: TMG 300 End of Course Survey: I would recommend this course to another student.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	54	66	81.8%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 2: TMG 300 End of Course Survey: I would recommend this instructor to another student.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	53	66	80.3%	1. EXCEEDS THE ACCEPTABLE TARGET

PLO 4 - Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.

MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: INT 304 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	75	79	94.9%	1. EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: INT 303 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	579	695	83.3%	1. EXCEEDS THE ACCEPTABLE TARGET
	70% of BS Information Technology student records must receive a proficient or	221	226	97.8%	1. EXCEEDS THE ACCEPTABLE TARGET

Direct Measure 3: INT 499 Final Assignment	distinguished evaluation on relevant rubric content criteria mapped to this PLO.				
Indirect Measure 1: INT 305 End of Course Survey: I would recommend this course to another student.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	12	15	80.0%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 2: INT 305 End of Course Survey: The quality of my educational experience has met my expectations.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	13	15	86.7%	1. EXCEEDS THE ACCEPTABLE TARGET

PLO 5 - Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING	TOTAL NUMBER OF STUDENT	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT	ASSESSMENT RESULTS:

		ACCEPTABLE TARGET	RECORDS OBSERVED	RECORDS MEETING ACCEPTABLE TARGET	1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: TMG 300 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	263	278	94.6%	1. EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: INT 499 Week 4 Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	209	210	99.5%	1. EXCEEDS THE ACCEPTABLE TARGET

Direct Measure 3: INT 499 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	274	301	91.0%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 1: INT 499 End of Course Survey: I would recommend this course to another student.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	14	15	93.3%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 2: TMG 300 End of Course Survey: The quality of my educational experience has met my expectations.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	53	66	80.3%	1. EXCEEDS THE ACCEPTABLE TARGET
PLO 6 - Identify and analyze user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computer-based systems.					

MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: INT 301 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	400	480	83.3%	1. EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: INT 303 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	579	695	83.3%	1. EXCEEDS THE ACCEPTABLE TARGET

Direct Measure 3: INT 499 Final Assignment	70% of BS Information Technology student records must receive a proficient or distinguished evaluation on relevant rubric content criteria mapped to this PLO.	274	301	91.0%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 1: INT 301 End of Course Survey: I would recommend this instructor to another student.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	55	67	82.1%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 2: INT 499 End of Course Survey: I would recommend this instructor to another student.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	14	15	93.3%	1. EXCEEDS THE ACCEPTABLE TARGET
Indirect Measure 3: INT 303 End of Course	70% or more of students who complete and return the End of Course Survey express	12	13	92.3%	1. EXCEEDS THE ACCEPTABLE TARGET

Survey: The quality of my educational experience has met my expectations.	satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.				
Indirect Measure 4: INT 499 End of Course Survey: The quality of my educational experience has met my expectations.	70% or more of students who complete and return the End of Course Survey express satisfaction by indicating "Agree" or "Strongly Agree" on selected survey items.	13	15	86.7%	1. EXCEEDS THE ACCEPTABLE TARGET

OVERALL RECOMMENDATIONS

Overall, it is recommended to review the assessment plan (including measures used, alignment mapping, and targets set) and curriculum map in preparation for the 2023-2024 assessment cycle. This will determine the appropriateness of the assignments and mapping for each PLO. Also, the INT 301 Final Assignment measure for PLO1 did not meet the acceptable target.

ANNUAL ASSESSMENT PLAN ACTION ITEM STATUS REPORT

OUTCOME	MEASURE	KEY/RESPONSIBLE PERSONNEL	STATUS	ANTICIPATED DATE OF COMPLETION

all	all	Lead Faculty	Not Started	23-24AY
Action Details	Review curriculum map to ensure proper alignment and scaffolding for all PLOs is still taking place accurately.			
OUTCOME	**MEASURE**	**KEY/RESPONSIBLE PERSONNEL**	**STATUS**	**ANTICIPATED DATE OF COMPLETION**
1, 2	**INT 302**	**Lead Faculty and Assessment**	**Not Started**	**23-24AY**
Action Details	Replace outdated INT 302 with newly developed INT 306 on the curriculum map. Add INT 306 Final Assignment as direct measures to PLOs: 1, 2, 3, 6			
OUTCOME	**MEASURE**	**KEY/RESPONSIBLE PERSONNEL**	**STATUS**	**ANTICIPATED DATE OF COMPLETION**
2,4	**INT 304**	**Lead Faculty and Assessment**	**Not Started**	**23-24AY**
Action Details	Redevelop of INT 304. The development will be complete in 23-24AY and will then incorporate the Final Assignment as direct measures for PLOs 1, 2, 3, and 6.			
OUTCOME	**MEASURE**	**KEY/RESPONSIBLE PERSONNEL**	**STATUS**	**ANTICIPATED DATE OF COMPLETION**
all	**all**	**Lead, Core, and Associate Faculty and Assessment**	**Not Started**	**23-24AY**
Action Details	Complete Rubric norming for INT 301 to determine ways to increase student performance and incorporate an assignment as an additional measure. (Understanding of LAN network, distribution layer backbone, VLAN, and WAN Concepts - Accuracy in explaining concepts of networking and data communication as they relate to this assignment - Application of knowledge and the ability of selecting the right communication technology for the postposed problem.)			
OUTCOME	**MEASURE**	**KEY/RESPONSIBLE PERSONNEL**	**STATUS**	**ANTICIPATED DATE OF COMPLETION**
all	**all**	**Lead Faculty, Assessment**	**Not Started**	**23-24 AY**
Action Details	Consider aligning TEC 100 (a General Education course) to the PLOs, incorporating into the program curriculum map, and possibly adding assignment(s) as additional measures to support PLO achievement. Many components of the recently redeveloped course align with the Technology department's bachelor programs.			