Progress Report 2021:
ULAB Curriculum Mapping on the Sustainable Development Goals (SDGs)
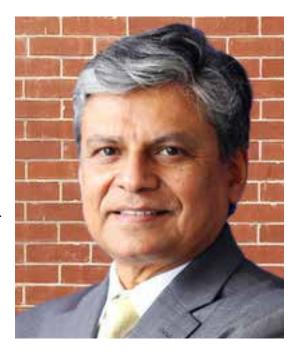
November 2022
Dhaka, Bangladesh

Progress Report 2021:
ULAB Curriculum Mapping on the Sustainable Development Goals (SDGs)

November 2022

Message from the Vice Chancellor

The Sustainable Development Goals (SDGs) need to be taught across the university. It should not be imparted through only a few courses, a minor program and/or a study concentration. For this reason, the University of Liberal Arts Bangladesh (ULAB) revised in June 2021 its Curriculum Design/Review Manual to require all courses to integrate the SDGs in their learning outcomes and ensure this, two templates on Course SDG Mapping were provided to all faculty.

To fully implement ULAB's Course SDG Mapping, it will take time. Faculty need to be trained and course outlines need to be modified. As the Chinese proverb goes, "a journey of a thousand miles begins with a single step." Nevertheless, the university needs to know where it is at in relation to this journey on Course SDG Mapping. It needs to have a progress report. There were some efforts in the past to ascertain the status of this exercise. But, it is in 2021 that the university has started to track its progress.

This progress report gives the reader a background regarding the university's commitment to sustainable development and its academic policy toward teaching the SDGs to all its students. It proceeds with a description of its data collection procedure and an analysis of the data at the university and departmental level. It ends with a provision of the ULAB SDG Mapping Dashboard.

I would like to thank the persons who prepared this report - Professor Jude William Genilo, Dr. Mohammad Tareque Rahman, Ms. Rumana Anam, Md. Bachu Mia, Farah Diba Lasna and Maksud Islam. Hopefully, the university can accomplish more next year in its efforts towards educating its students on the SDGs.

All the best.

Professor Imran Rahman
Vice Chancellor

Background

In 2004, the University of Liberal Arts Bangladesh (ULAB) was established with a vision to "be the best university in Bangladesh and a leader in South Asia." As highlighted in its mission, the ULAB is an institution devoted to developing young minds to their fullest potential through the free and creative pursuit of knowledge. The university is firmly committed to helping young men and women to become responsible and caring citizens of their nations and the world. To fulfill these aims, the ULAB adopts an array of traditional and innovative academic and extra-curricular programs and brings to its students the best that has been thought and accomplished in the arts and sciences throughout the world.

The ULAB's core values are the standards that drive its culture, guide its conduct, and set the minimum expectations for everyone at the ULAB. It includes the Love of Lifelong Learning; Practicing Integrity and Leadership; Encouraging Innovation; Promoting Tolerance; and The Pursuit of Excellence. The ULAB is committed to quality education by developing systems for conscious, consistent, and catalytic action to improve academic and administrative performance. It promotes measures for institutional functioning towards quality enhancement through the internalization of quality culture and institutionalization of best practices. It ensures, at all times, compliance with the statutory and regulatory requirements of the land.

This report summarizes a mapping exercise of ULAB's prominent courses from the various departments and how they align with the 17 SDG goals. The report also contains a full-fledged course mapping output, an analysis, a dashboard, and a brief description of each department of ULAB. 112 courses were mapped from the six departments. Faculties from the various department mapped the courses that were taught each semester in 2020 and in 2021 based on three dominant criteria- Learning Objectives, Content, and Learning Activities. Though within a term, 276 courses were taught and 112 courses were mapped; capturing the wide berth on how the courses align with the SDG goals. See below the courses mapped from each Department. For 2021, the plan is to map all courses from all six Departments, alongside SDG orientation and mapping exercise training for all staff.

This report took off from the previous efforts of Dr. Samiya Selim (CSD Director), Dr. Mohammad Tareque Rahman (CETL Director) and Ms. Fariha Munir Nowmi (Teaching Assistant). This year, the following initiated the progress report: Prof. Jude William R. Genilo (IQAC Director), Dr. Mohammad Tareque Rahman (CETL Director), Ms Rumana Liza Anam (USB) Assistant Professor (USB), MD. Bachu Mia, (IQAC Assistant Manager), Farah Diba Lasna (Teaching Assistant).

Academic Policy on Curriculum Mapping on the SDGs

On 28 June 2021, then Acting Vice Chancellor Prof. Shamsad Mortuza approved the second version of the university's Curriculum Review/Design Manual. The said manual spells out a well-defined procedure for periodic review of a program's curriculum. The review should involve major stakeholder representation, comply with the country's qualification framework and specify the alignment between the university's mission, program objectives, program learning outcomes and program educational outcomes.

In the second version, one of the major changes is the decision to map how each course contributes to the SDG goals. Two templates were provided for this purpose. In the past, faculty voluntarily mapped how their courses contributed to the SDG goals. But, with this second version of the manual, it has become a requirement to do so.

The Process of Collecting Data

The faculties from each department were asked to submit SDG goals and target of the prominent courses that taught within a semester. On the average, around 370 courses were taught each term in 2021. Of these, 111 courses were mapped against the SDG goals. In the analysis section, three tables are given. The first one depicting how many courses are mapped department wise. The second one depicts from each department, the number of courses reaching to different SDG Goals. The last one shows the percentage of courses with different SDG's from the final mapping output. The analysis is given below.

A Brief Analysis of SDG Mapping Output

For the analysis of the SDG mapping, the faculties from all the departments have mapped around 111 courses to match the goals of sustainable development. Here, a short table is added to show how many courses are mapped and how many courses are offered in one semester.

Table 1
Number of Courses/Sections Offered and Mapped in 2021 by Academic Department

School/Department	Number of Courses/ Sections Offered	Number of Courses Mapped for SDGs	Percentage
General Education	60	17	28.3%
ULAB School of Business	116	47	40.5%
Media Studies and Journalism	58	6	10.3%
English and Humanities	33	13	39.4%
Computer Science and Engineering	69	20	28.9%
Electrical and Electronic Engineering	34	8	23.5%
Total	370	111	30.0%

On an average, all the departments of ULAB teach around 370 courses/sections. Among them, 111 courses have been mapped. The next table illustrates the mapped courses in terms of SDG goal targeted. Most of the mapped courses meet SDG 4 which is Quality Education.

Table 2
Number of Mapped Courses by SDG Goal and School

SDG	School of Business	School of Social Science	School of Arts and Humanities	School of Science and Engineering	General Education	Total
1	4	-	4	-	4	12
2	2	-	2	-	1	5
3	5	3	3	5	3	19
4	58	3	11	24	7	103
5	10	2	9	-	5	26
6	2	1	3	-	2	8
7	1	-	1	6	1	9
8	29	-	5	1	2	37
9	7	1	3	24	5	40
10	13	1	13	-	4	31
11	6	-	4	8	8	26
12	11	-	-	-	6	17
13	-	2	2	2	6	12
14	-	-	2	-	2	4
15	2	-	2	-	3	7
16	9	2	3	-	6	20
17	8	-	-	13	4	25

The next table shows the percentages for each SDG. From the table, it can be said that SDG-4 (Quality Education) ranks the top position as it covers 63.95% - 55 courses from 86 mapped courses fulfill the criteria of SDG-4. In the second position, we have SDG9 (Industry, innovation and infrastructure) that covers 37.02% - 32 Mapped courses fulfill the criteria of SDG-9. Thirdly, we have SDG5 (Gender equality) and SDG10 (Reduced Inequalities) as both covers 29.06% - around 25 courses have fulfilled the criteria for SDG5 and SDG10. Since SDG17 is one of the most important, it covers 23.25% and around 20 courses fulfill the criteria of SDG17.

Table 3
Percentage of Mapped Courses Covering Each SDG

Sustainable Development Goal (SDG)	Percentage
SDG 1: No Poverty	13.95%
SDG 2: Zero Hunger	3.48%
SDG 3: Good Health and Well-Being	17.44%
SDG 4: Quality Education	63.95%
SDG 5: Gender Equality	29.06%
SDG 6: Clean Water and Sanitation	6.97%
SDG 7: Affordable and Clean Energy	11.62%
SDG 8: Decent Work and Economic Growth	19.76%
SDG 9: Industry, Innovation and Infrastructure	37.02%
SDG 10: Reduced Inequalities	29.06%
SDG 11: Sustainable Cities and Communities	27.90%
SDG 12: Responsible Consumption and Production	15.11%
SDG 13: Climate Action	17.44%
SDG 14: Life Below Water	4.65%
SDG 15: Life on Land	8.13%
SDG 16: Peace, Justice and Strong Institutions	19.76%
SDG 17: Partnerships for the Goals	23.25%

Brief Description of Each Academic Schools and Departments

Department of English and Humanities. The Department goes under the School of Arts and Humanities, which offers both Bachelor's and Master's degrees. DEH is the most "happening" department of its kind; popular for its international/national academic and cultural activities. The courses offered are not only confined to the development of students' basic communication skills in the *lingua franca* of the world but also explore the key areas necessary for the intellectual and professional betterment: humanistic content, analysis, argumentation, rhetoric, stylistics, and so on. The courses are open to inter- and cross-disciplinary offerings. This dynamic approach allows students to develop skills and sensibilities vitally required by modern English language and literature teachers and by people across professional fields: communications and media, business and marketing. All the courses that are taught to the students are mainly incorporating with SDG1, SDG 2, SDG3, SDG4, SDG5, SDG6, SDG7, SDG8, SDG9, SDG10, SDG11, SDG13, SDG14, SDG14, SDG15 and SDG16.

Department of Media Studies and Journalism. The Department of Media Studies and Journalism is the flagship department that goes under the School of Social Science. It currently offers a Bachelor of Social Science in Media Studies and Journalism and Masters in Communication. The prime objective of this Department is to decolonize minds through media education and innovation, nurturing creative and critical thinkers in communication and cultural studies and produce ethical citizens who critically explore, understand and utilize media, culture and communication. The courses that are offered have special emphasis on film, media, creative art, public relations and journalism. The curriculum is liberal arts based, interdisciplinary, balanced in terms of theory and practice and devoted to cultural and communication studies. All the courses that are taught to the students are mainly incorporated with SDG3, SDG4, SDG5, SDG6, SDG9, SDG10, SDG13 and SDG16.

ULAB School of Business Studies. The School of Business department is versatile department, which offers three programs - Bachelors of Business Administration (BBA), Masters of Business Administration (MBA) and Executive Masters of Business Administration (EMBA). The Department aims to empower students to learn and practice modern business and management concepts, principles, tools, techniques, models and methods, as well as help them become outstanding and effective business leaders. The aim is to strike a balance between liberal arts and business courses, realizing the relevance of each. The primary academic objective is to offer fundamental concepts and theories of business practice and specialized study; to instigate the ability to think critically, analyze problems quantitatively; use computer technology to solve business problems; to grow an awareness and comprehension of the global context in which business operates; and to advance understanding of the ethical and social issues that is a concern to the business community. The courses that are taught mainly incorporating with SDG1, SDG3, SDG4, SDG5, SDG6, SDG7, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG15 and SDG16.

ULAB School of Science and Engineering. This is one of the most dynamic schools which runs two programs named Bachelor of Science, Computer Science and Engineering (CSE), Bachelor of Science, and Bachelor of Science, Electrical and Electronic Engineering (EEE). The Department of Computer Science and Engineering has been offering an undergraduate program in Computer Science and Engineering with focus on developing skills for ICT industries worldwide. The program delivers the fundamental skills needed to become a Computer Scientist. It also aims for a wider knowledge of the subject, rather than just an understanding of existing commercial approaches, so that the student's understanding and knowledge can adapt and evolve to match the skills that will be required in the coming century. The Department of Electrical and Electronic Engineering is the youngest department of ULAB. The undergraduate EEE program aims to provide the students with the foundation principles of Electrical and Electronic Engineering as well as developing necessary skills on specific topics of interest. The four-year undergraduate program will give the students the background knowledge and skills necessary to access a diverse range of engineering professions both in the local and global arena. The courses that are taught mainly incorporating SDG3, SDG4, SDG9, SDG11 and SDG17.

General Education Program. Both GED core and elective courses are built into every undergraduate degree program. Students following any given degree program will be automatically directed towards the required GED core and/or elective, and optional/minor, that they must take or choose from. The prime objectives are: providing students a number of basic subjects by way of building the intellectual foundations and skills absolutely necessary for both any university level education. In this manner, students at the university are able to deepen and broaden their perspective towards Liberal Arts. The courses that are taught mainly incorporating SDG3, SDG4, SDG7, SDG8, SDG9, SDG11 and SDG17.

ULAB SDG Dashboard

The ULAB SDG Dashboard is given below:

[Please put the dashboard around here]

Department	Mapped Course	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Business Administration	BUS 1303 Micro Economics	X							X		X		X					
	BUS 1101 Business Statistics				X													
	BUS 1301 Financial Accounting				X				X									X
	BUS 1201 Business Mathematics				X													
	BUS 2103 Principles of Management				X				X	X								
	BUS 2201 Quantitative Analysis for Business				X				X									
	BUS 2202 Business Communication				X	X												
	BUS 2203 Legal Environment of Business				X												X	
	BUS 2301 Marketing Management				X						X	X						
	BUS 2302 Organizational Behavior				X						X						X	
	BUS 2303 Financial Management				X	X			X		X					X	X	
	BUS 3101 Human Resource Management				X				X									
	BUS 3102 Entrepreneurship	X			X				X	X	X							X
	BUS 3104 Managerial Accounting				X				X									
	BUS 3201 Research Methodology				X	X			X									
	BUS 3202 Operations Management				X	X			X									
	BUS 4999 Strategic Management				X	X			X	X	X	X					X	X
	BUS 4111 Cost Accounting				X				X			X						
	BUS 4112 Accounting Information System				X				X			X						
	BUS 4113 Intermediate Accounting I				X				X									X
	BUS 4114 Intermediate Accounting II				X				X									X

Department	Mapped Course	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Business Administration	BUS 4121 Assurance and Auditing				■													■
	BUS 4122 Bank & Insurance Accounting				■													■
	BUS 4123 Taxation				■				■		■							
	BUS 4124 International Financial Reporting Standards				■				■									■
	BUS 4131 Corporate Finance				■				■								■	■
	BUS 4132 Financial Market and institutions				■				■									
	BUS 4133 International Financial Management				■				■									
	BUS 4141 Bank Management				■				■			■						
	BUS 4142 Project Finance				■							■						
	BUS 4143 Lease Finance				■				■								■	
	BUS 4144 Financial Derivatives				■					■								
	BUS 4145 Venture Capital Management				■				■									
	BUS 4151 Managerial Skills Development			■	■												■	
	IBUS 4152 Industrial and Employee Relations				■	■					■						■	
	BUS 1302 Micro Economics				■				■	■	■			■				
	BUS 2101 Macro Economics				■				■									
	BUS 4133 Security Analysis and Portfolio Management				■				■		■							
	BUS 3103 International Business	■	■	■	■	■	■		■	■	■	■	■					
	BUS 4185 Brand Management					■		■			■		■			■		
	BUS 2303 Financial Management			■	■							■	■				■	
	BUS 1101 Introduction to Business	■	■	■	■	■	■		■	■	■	■	■					

Department	Course mapped	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Computer Science and Engineering	CSE 1203 Discrete Mathematics				red					orange								
	CSE 2201 Algorithms				red					orange								
	CSE 4419 Computer Security				red													
	CSE 101 Introduction to Computer Studies				red					orange								
	CSE 1201 Structured Programming				red					orange								
	CSE 2203 Computer organization and Architectures			green						orange		yellow						
	CSE 2305 Operating System				red		orange			orange		yellow						blue
	CSE 1301 Data Structures			green						orange		yellow						
	CSE 2301 Database Management Systems				red					orange								
	CSE 2202 Algorithms Lab				red					orange								blue
	CSE 3206 Data communications and Computer Networks				red					orange								blue
	CSE 3003 System Analysis and Design				red					orange								blue
	CSE 3203 Software Engineering				red					orange		yellow						blue
	CSE 3201 Artificial Intelligence				red					orange								blue
	CSE 2103 Programming with Java				red					orange								blue
	CSE 2303 Automata and Theory of Computation				red					orange								blue
	CSE 4447 Introduction to Robotics				red					orange								blue
	CSE 4475 Smartphone Application Development				red													blue
	CSE 3120 Web Technology				red		orange					yellow						
	CSE Internship/ Project/ Thesis				red		orange					yellow						

Department	Course mapped	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
English and Humanities	ENG 1203 Pronunciation (Phonetics and phonology)				■						■	■						
	ENG 1201- Introduction to Drama	■		■	■	■					■	■					■	
	ENG 2203 Introduction to Literary Theory										■			■				
	ENG 2206 Modern American Drama	■			■	■			■	■	■						■	
	ENG 3204 Literary Theory and Criticism				■	■					■			■	■	■		
	ENG 2204 Romantic poetry	■	■	■	■	■	■		■	■	■	■			■	■		
	ENG 3205 Post-colonial Theories and Literature	■	■	■	■	■	■		■	■	■	■						
	ENG 313 Modernism- Early Twentieth Century Literature				■	■					■							
	ENG 2205 Semantics and Pragmatics				■						■						■	
	ENG 4101 Research Methodology				■						■							
	ENG 4208 Advanced Composition and Stylistics				■	■					■							
	ENG 4111 Eastern Classics in Translation				■	■			■		■							
	ENG 3101 Victorian Literature					■	■	■	■		■							

Department	Course Mapped	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Electrical And Electronic Engineering	PHY 1101 Physics 1				X					X								
	EEE 4103 Control System Engineering								X	X								
	EEE 3316 Electrical Service Design			X	X			X		X		X		X				
	EEE 4196 Final Year Capstone Project			X	X			X		X		X						X
	EEE 4430 Optoelectronics				X													X
	EEE 4477 Renewable Energy Systems				X													X
	EEE 3311 Microprocessor and Embedded Systems				X					X								X
	EEE 4467 Power System Protection				X			X						X				X

ULAB Curriculum Mapping on the Sustainable Development Goals (SDGs)

Department	Course mapped	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
General Education	HUM 2159 Professional Ethics			■	■	■				■	■			■			■	
	SSC 2151 Introduction to Climate Change Debate					■				■			■	■				
	NSC 2284 History and Method of science												■	■				
	SSC 2157 Introduction to Sustainable Development	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	NSC 2283 Environmental Science						■						■			■		
	SSC 3150 Seminar on Grassroots Economic Development	■			■	■					■						■	
	SSC 4142 Social Theory and methods of social research				■													
	NSC2282 Biodiversity and Nature Conservation														■	■		
	GED 233 Introduction to Science study												■	■				
	HUM 3206 South Asian Art and Architecture											■						
	HUM 3206 South Asian Art and Architecture											■						
	UCC1101 Bangla Bhasha				■													
	UCC1201 History of the Emergence of Independent Bangladesh											■					■	
	HUM 2115 World Civilization																■	
	SSC 2156 Introduction to Sociology	■		■	■	■			■		■	■	■	■			■	■
	SSC 2145 Global political Economy	■								■		■						■
	NSC 2248 Industrial management				■					■		■						■

Department	Mapped Course	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Media Studies and Journalism	MSJ 11453 Communication and Culture					■					■							
	MSJ 11212 Introduction to Journalism				■												■	
	MSJ 2112 Introduction to Photography				■													
	MSJ 2201 Mass Communication													■				
	MSJ 11326 Reporting on the Economy and the climate change																■	
	MSJ 3132 Writing for Film and Television			■	■	■	■							■				

ULAB Curriculum Mapping on the Sustainable Development Goals (SDGs)

University of Liberal Arts Bangladesh

688 Beribadh Road, Mohammadpur
Dhaka - 1207, Bangladesh.

www.ulab.edu.bd