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S.No.		Year	Student Case title	Student case City, Country	Student teams type	Patricipating HEIs (Students/Mentors)	Coordinating HEIs	Case stakeholder(s)	Types of stakeholder(s)			
								International Centre for Integrated Mountain Development (ICIMOD)				
								Samajik Sahayata Nepal				
				Espoo, Finland				Dhungentar Community	INGO			
				Lalitpur, Nepal				Local Mothers' group	NGO			
1		2019	Sustainable community reconstruction after disaster (post 2015 earthquake) 2018-2019	Dhungentar, Nepal	Mixed International	AITM, Aalto	AITM, Aalto	Local network of Social Mobilzers	Community			
								Larsen and Toubro Realty Limited	Commercial/Business			
2	1	2019	Affordable housing and slum rehabilitation I (2019)	Mumbai, India	Mixed International	NEC, KTU, Aalto, JNEC, SEC, AITM, IITB	IITB	Department of Construction Technology and Management, IITB	Academic Department/HEI			
								Larsen and Toubro Realty Limited	Commercial/Business			
3			Affordable housing and slum rehabilitation II (2019)	Mumbai, India	Mixed International	NEC, TU Delft, Aalto, JNEC, SEC, AITM, IISc, IITB	IITB	Department of Construction Technology and Management, IITB	Academic Department/HEI			
4	1	2019	Construction and demolition waste management (2019)	Mumbai, India	Mixed International	NEC, KTU, SEC, KU, IITB	IITB	Department of Civil Engineering, IITB	Academic Department/HEI			
								A public housing company	Commercial/Business			
5		2019	Modular housing scheme for a public housing provider in a low-income locality, Maharashtra (2019)	Mumbai, India	Mixed International	TU Delft, KTU, Aalto, JNEC, SEC, AITM, IISc, IITB	IITB	Bhiwandi Community	Community			
								Medical Device Lab, IISc				
								Hear Well Clinic	Academic Department/HEI			
								Rotary Institutue for the Deaf, Kamala Dharamshi Narsee Shruti	Commercial/Business			
6			Accessible Healthcare (2019)	Mumbai, India	Mixed International	TU Delft, KU, Aalto, JNEC, SEC, NEC, IISc	IISc, IITB	School	School			
7		2019	Redevelopment of Artist village Belapur (2019)	Mumbai, India	Mixed International	TU Delft, AITM, Aalto, JNEC,KTU, NEC, IISc	IITB	Artist Village Belapur Community	Community			
								Center for Urban Science and Engineering, IIITB	Academic Department/HEI			
8		2019	Liveability in slums (2019)	Mumbai, India	Mixed International	TU Delft, KU, Aalto, JNEC, SEC, NEC, IISc, IITB, KTU, AITM	IITB	Shivaji Nagar Community	Community			
								Samdrup Jongkhar Initiative	Civil Service Organization			
						1		Samdrup Jongkhar town	Community			
				Espoo, Finland		1150 A 1		Municipal coorporation	School			
9		2020	Supporting the development of sustainable waste management in Samdrup Jongkhar, Bhutan (2019-2020)	Samdrup Jongkhar, Bhutan	Mixed International	JNEC, Aalto	JNEC, Aalto	Schools	Local government			
				Espoo, Finland		11/20 A A						
10	1	2021	Landslides Suseptibility Analysis in Dewathang, Samdrup Jongkhar (2020-2021)	Samdrup Jongkhar, Bhutan	Mixed International	JNEC, Aalto	JNEC, Aalto	Dewathang Community	Community			
								Panauti Municipality, Ward No. 7	Local government			
						1		Panauti Community Homestay	Commercial/Business			
				Lalitpur, Nepal				Panauti Tourism Development Centre	Local government			
11		2020	A Nepali Theme Restaurant at Panuati (EDP) (2020)*	Panauti, Nepal	Local	AITM	AITM	Panauti Community	Community			
								Panauti Municipality, Ward No. 7	Local government			
								Panauti Community Homestay	Commercial/Business			
				Lalitpur, Nepal		AITM	AITM	Panauti Tourism Development Centre	Local government			
12	-	2020	Modem Organic Farm at Panuati (EDP) (2020)*	Panauti, Nepal	Local	AIIM	AIIM	Panauti Community	Community			
40		0000		Bhaktapur, Nepal		NEC	NEC	Course Teach Drivets Limited	Common and a UR sector of			
13		2020	Integrated Digital Electronics (2020)*	Kathmandu, Nepal	Local	NEC	NEC	Savvy Tech Private Limited	Commercial/Business			
		2020	Integrated Digital Electronics (2020)*	Bhaktapur, Nepal Kathmandu, Nepal	Local	NEG	NEC	Engineering Adda / DroNepal	Commercial/Business			
14		2020	Integrated Digital Electronics (2020)		Local	NEC	NEC	Engineering Adda / Droivepai	Commercial/Business			
15		2020	Integrated Digital Electronics (2020)*	Bhaktapur, Nepal Kathmandu, Nepal	Local	NEG	NEC	Real Time Solutions Private Limited	Commercial/Business			
15		2020			LUCAI	NEG	NEC	Real Time Solutions Filvate Elifited	Commercial/Business			
16		2020	Integrated Digital Electronics (2020)*	Bhaktapur, Nepal Kathmandu, Nepal	Local	NEC	NEC	National Innovation Center	INGO			
10		2020		Raamanaa, Ropar	LUCAI	NEC	NEG	National Inflovation Center	INGO			
17		2020	Integrated Digital Electronics (2020)*	Bhaktapur, Nepal Kathmandu, Nepal	Local	NEG	NEC	Home Automation Nepal	Commercial/Business			
		2020		Bhaktapur, Nepal	Local	NEG	NEO		Commercial/Dualiteaa			
18		2020	Integrated Digital Electronics (2020)*	Kathmandu, Nepal	Local	NEC	NEC	Yarsaa Technology	Commercial/Business			
		2020		Lalitpur, Nepal	Loodi		HE0	Department of Electronics and Computer Engineering, SEC	Academic Department/HEI			
19		2020	Technological Assistance to Visually Impaired Group Final Year Project I and Project II (2019 - 2020)*	Kirtipur, Nepal	Local	SEC	SEC	Laboratory Secondary School	School			
20				Kathmandu, Nepal	Local	SEC	SEC	Department of Civil Engineering, SEC	Academic Department/HEI			
21				Kathmandu, Nepal	Local	SEC	SEC	Department of Electronics and Computer Engineering, SEC	Academic Department/HEI			
22				Kathmandu, Nepal	Local	SEC	SEC	Department of Electronics and Computer Engineering, SEC	Academic Department/HEI			
23			Present Context of Canteen at Sagarmatha Engineering College (2019-2020)*	Lalitpur, Nepal	Local		SEC	Department of Electronics and Computer Engineering, SEC	Academic Department/HEI			
24			Solar Powered Street Lighting System with Optimum use of Battery Capacity and Monitoring System (2019-2020)*		Local		KU	Department of Electrical and Electronic Engineering, KU	Academic Department/HEI			
25				Dhulikhel, Nepal	Local		KU	Department of Electrical and Electronic Engineering, KU	Academic Department/HEI			
26			Culture based Theme Banquet - Sanskriti Banquet (EDP) (2021)*	Lalitpur, Nepal	Local	AITM	AITM	School of Hotel Management, AITM	Academic Department/HEI			
27			Sport Based Restaurant and Bar - View Box (EDP) (2021)*	Lalitpur, Nepal	Local	AITM	AITM	School of Hotel Management, AITM	Academic Department/HEI			
28		2021	Fast Food Restaurant in the structure of an Airplane - Air Ice (EDP) (2021)*	Lalitpur, Nepal	Local	AITM	AITM	School of Hotel Management, AITM	Academic Department/HEI			
29		2021	Kpop Music and Korean Culture Theme Restaurant - Café Bom (EDP) (2021)*	Lalitpur, Nepal	Local	AITM	AITM	School of Hotel Management, AITM	Academic Department/HEI			
30				Bhaisipati, Nepal	Local		AITM	School of Hotel Management, AITM	Academic Department/HEI			
31				Bhaktapur, Nepal	Local		AITM	School of Hotel Management, AITM	Academic Department/HEI			
32			Restaurant with Tharu Food Specialization - The Fusion Restaurant (EDP) (2021)*	Lalitpur, Nepal	Local	AITM	AITM	School of Hotel Management, AITM	Academic Department/HEI			
33		2021	Promotion of Tourism in the jungle of Thankot - Than-Da Bunjungle (EDP) (2021)*	Thankot, Nepal	Local	AITM	AITM	School of Hotel Management, AITM	Academic Department/HEI			
	_		Study on Implementation of Sustainable Land-filling Approaches in Bhutan: A Case Study on Municipal Controlled									
34	2020-2	-2021	Landfill in Samdrup Jongkhar	Samdrup Jongkhar, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI			
35	2020-2		Feasibility study and design of irrigation canal for Bangtsho chiwog using Kennedy's and Lacey's design approach		Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI			
36	2020-2			Wangdue and Mongar, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI			
	2020-2		Study and analyze of labor issues in Bhutaese Construction Industry (Case study in S/Jongkhar)	Samdrup Jongkhar, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI			
37			Study and analysis of bamboo for feasibility as a sustainable building material in Bhutan	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI			
37 38	2020-3			Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI			
38	2020-2				Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI			
38 39	2020-2	-2021		Dewathang Bhutan								
38 39 40	2020-2	-2021 -2021	Investigation on project delays using Microsoft Project- A case study on Hospital construction at dewathang	Dewathang, Bhutan Dewathang, Bhutan		INEC RUB	INEC RUB	Department of Civil Engineering and Supreving JINEC PUB				
38 39 40 41	2020-2 2020-2 2020-2	-2021 -2021 -2021	Investigation on project delays using Microsoft Project-A case study on Hospital construction at dewathang Study and analyze the causes of cracking in structures and to provide preventive techniques to mitigate cracking	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI			
38 39 40 41 42	2020-2 2020-2 2020-2 2020-2	-2021 -2021 -2021 -2021	Investigation on project delays using Microsoft Project- A case study on Hospital construction at dewathang Study and analyze the causes of cracking in structures and to provide preventive techniques to miligate cracking Roof rainwater harvesting from old chining hals	Dewathang, Bhutan Dewathang, Bhutan	Local Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI			
38 39 40 41 42 43	2020-2 2020-2 2020-2 2020-2 2020-2	-2021 -2021 -2021 -2021 -2021	Investigation on project delays using Microsoft Project-A case study on Hospital construction at dewathang Study and analyze the causes of cracking in structures and to provide preventive techniques to mitigate cracking Roof rainwater harvesting from old dining halls Environmental-friendly and sustainable landscaping of self-catering hostel area	Dewathang, Bhutan Dewathang, Bhutan Dewathang, Bhutan	Local Local Local	JNEC, RUB JNEC, RUB	JNEC, RUB JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI Academic Department/HEI			
38 39 40 41 42 43 44	2020-2 2020-2 2020-2 2020-2 2020-2 2020-2	-2021 -2021 -2021 -2021 -2021 -2021 -2021	Investigation on project delays using Microsoft Project- A case study on Hospital construction at dewathang Study and analyze the causes of cracking in structures and to provide preventive techniques to miligate cracking Roof rainwater harvesting from old dining hals Environmental-Hendy and sustainable landscaping of self-catering hostel area Pice hydrogover plant	Dewathang, Bhutan Dewathang, Bhutan Dewathang, Bhutan Dewathang, Bhutan	Local Local Local Local	JNEC, RUB JNEC, RUB JNEC, RUB	JNEC, RUB JNEC, RUB JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB Department of Civil Engineering and Surveying, JNEC, RUB Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI Academic Department/HEI Academic Department/HEI			
38 39 40 41 42 43 44 45	2020-2 2020-2 2020-2 2020-2 2020-2 2020-2 2020-2	-2021 -2021 -2021 -2021 -2021 -2021 -2021 -2021	Investigation on project delays using Microsoft Project-A case study on Hospital construction at dewathang Study and analyze the causes of cracking in structures and to provide preventive techniques to mitigate cracking Roof rainwater harvesting from old dining halls Environmental-Hrendy and sustainable landscaping of self-catering hostel area Pico hydropower plant Interfacing fault demostrator with PC and analyse line faults.	Dewathang, Bhutan Dewathang, Bhutan Dewathang, Bhutan	Local Local Local	JNEC, RUB JNEC, RUB	JNEC, RUB JNEC, RUB JNEC, RUB JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI Academic Department/HEI			

47 20								
		Active solar water heater in JNEC student mess	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
48 20	20-2021	Electrical fault analysis of three phase induction motor.	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
49 20	20-2021	Repair and fabrication of AC to DC converters machine	Dewathang, Bhutan	Local	JNEC, RUB	JNEC. RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
50 20		Remote control of three phase induction motor.	Dewathang, Bhutan	Local	JNEC RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
	20-2021	IoT based Garbage Monitoring System	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
01 20	20-2021		Dewathang, Bhutan	Local	JNEC RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
		Foot-Step Generation of Electricity using Piezoelectric Sensor				JNEC, RUB		
	20-2021	Design and Simulation of IoT and Zigbee based Smart Lighting System	Dewathang, Bhutan	Local	JNEC, RUB		Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
	20-2021	Smart Farm Management System, an IoT for Sustainable Farming	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
55 20	20-2021	Online Inventory System	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
56 20	20-2021	Online JNEC Guest House Reservation	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
57 20	20-2021	JNEC Promotional Video(Animation)	Dewathang, Bhutan	Local	JNEC, RUB	JNEC. RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
	20-2021	Case Study on JNEC Campus Network and enhancement	Dewathang Bhutan	Local	INEC BUB	INEC RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
00 20	20-2021	JNEC Facilities booking	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB		Academic Department/HEI
							Department of Civil Engineering and Surveying, JNEC, RUB	
60 20		Credit Information System	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
61 20	20-2021	Students Reporting and Registration System	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
62 20	20-2021	e-Waste Management in Samdrup Jongkhar Thromdee	Samdrup Jongkhar, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
63 20	20-2021	Self Help for Better Life	Dewathang, Bhutan	Local	JNEC. RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
64 20	20-2021	IoT Based Garbage Monitoring System	Dewathang, Bhutan	Local	JNEC RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
65 20		Natural disaster management plan of JNEC campus using GIS	Dewathang, Bhutan	Local	JNEC, RUB	JNEC RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
03 20	120-2021	An assessment on digital elevation model (DEM) in generating slope map and suitability analysis of built – up	Dewathang, Bhutan	LUCAI	JNEC, ROB	JINEC, KUB	Department of Civil Engineering and Sulveying, SNEC, ROB	Academic Department/HEI
66 20	20-2021	areas extension in Dewathang gewog"	Dewathang, Bhutan	Local	JNEC. RUB	JNEC. RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
				LUCAI		JNEC, RUB		
0, 20	20-2021	landslide hazard zonation mapping of Dewathang- Samdrup Jonglha road.	Samdrup Jongkhar, Bhutan	Local	JNEC, RUB		Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
	20-2021	Optimal route analysis for laying out underground cable in JNEC Campus	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
	20-2021	Application of Photogrammetry in mappying from Stereo Imagery	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
70 20	20-2021	Power Flow Adjustment Planning for Generation Outages in Western Grid of Bhutan	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
		Reliability Analysis of Power Transmission and Distribution Network: A Case Study in Eastern Grid of Bhutan	Dewathang, Bhutan	Local	JNEC BUB	JNEC RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
11 20	20-2021	Enhancement of Voltage Stability in Power System using Genetic Algorithm	Dewathang, Bhutan	Local	JNEC RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
12 20				Local	JNEC, RUB	JNEC, RUB		
	20-2021	Improvemnet of Transient Stability of Power System using Fuzzy Logic Controller	Dewathang, Bhutan	Loodi			Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
	20-2021	The Impact of interconnecting microgrid in Eastern Grid: A case study	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
	20-2021	Intelligent Techniques for Transmission Line Fault Protection	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
76	2021	Designing of Efficient Lighting System Integrated with Natural Lighting for JNEC MPH	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
77	2021	Feasibility Study of HVDC Transmission System in Bhutan	Dewathang, Bhutan	Local	JNEC. RUB	JNEC. RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
78		Study of Converter for Maximum Power Point Tracking (MPPT) in PV System	Dewathang, Bhutan	Local	JNEC BUB	JNEC RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
79	2021		Dewathang, Bhutan		JNEC, RUB	JNEC, RUB		Academic Department/HEI
		Designing and Simulation of Efficient Footpath Lighting: A Case Study in JNEC		Local			Department of Civil Engineering and Surveying, JNEC, RUB	
80		High Penetration of Solar PV on Power System Planning	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
81		Power Loss Reduction & Reliability Improvement in Solar PV System: A Case Study in Academic Block	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
82	2020	Smart and Intelligent Power Management System for JNEC	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
83		Peer to Peer (P2P) Energy Trading in Microgrid	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
84	2020		Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
85	2020	Reliability Analysis of 11 kV Power Distribuiton System (Nyelang Substation)	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
00				Local	0120,100			
86	2020	Designing and Estimation of Artificial Lighting System in Football Field	Dewathang, Bhutan	LOCAL	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
87								
	2020	Designing of Efficient Automatic Control of Street Lighting at JNEC	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
88	2020	Designing of Efficient Automatic Control of Street Lighting at JNEC	Dewathang, Bhutan Dewathang, Bhutan	Local Local	JNEC, RUB JNEC, RUB	JNEC, RUB JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI Academic Department/HEI
88	2020	Designing of Efficient Automatic Control of Street Lighting at JNEC Demand Side Management of JNEC load	Dewathang, Bhutan				Department of Civil Engineering and Surveying, JNEC, RUB	
88	2020	Designing of Efficient Automatic Control of Street Lighting at JNEC	Dewathang, Bhutan Samdrup Jongkhar, Bhutan				Department of Civil Engineering and Surveying, JNEC, RUB Samdrup Jongkhar Municipality	Academic Department/HEI
88	2020 2020	Designing of Efficient Automatic Control of Street Lighting at JNEC	Dewathang, Bhutan				Department of Civil Engineering and Surveying, JNEC, RUB Samdrup Jongkhar Municipality Samdrup Jongkhar Thromde Community	
88	2020	Demand Side Management of JNEC load	Dewathang, Bhutan Samdrup Jongkhar, Bhutan Kathmandu, Nepal		JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB Samdrup Jongkhar Municipality	Academic Department/HEI Local government Community
88	2020	Designing of Efficient Automatic Control of Street Lighting at JNEC	Dewathang, Bhutan Samdrup Jongkhar, Bhutan Kathmandu, Nepal Pokhara, Nepal Espoo, Finland	Local			Department of Civil Engineering and Surveying, JNEC, RUB Samdrup Jongkhar Municipality Samdrup Jongkhar Thromde Community Department of Civil Engineering, SEC	Academic Department/HEI
88	2020	Demand Side Management of JNEC load	Dewathang, Bhutan Samdrup Jongkhar, Bhutan Kathmandu, Nepal Pokhara, Nepal Espoo, Finland Kathmandu, Nepal	Local Mixed International	UNEC, RUB Aaito, JNEC, SEC, NEC	JNEC, RUB JNEC, Aalto	Department of Civil Engineering and Surveying, JNEC, RUB Samdrup Jongkhar Municipality Samdrup Jongkhar Thomde Community Department of Civil Engineering, SEC Department of Civil Engineering, NEC	Academic Department/HEI Local government Community Academic Department/HEI
89	2020 2022 2022	Demand Side Management of JNEC load Flood modelling of Dungsum Chhu at Samdrup Jongkhar Thromde Popularization and service management of earthquake resistant building standards in Nepal	Dewathang, Bhutan Samdrup Jongkhar, Bhutan Kathmandu, Nepal Pokhara, Nepal Espoo, Finland Kathmandu, Nepal Espoo, Finland	Local	JNEC, RUB Aalto, JNEC, SEC, NEC Aalto, SEC	JNEC, RUB JNEC, Aalto Aalto, SEC	Department of Civil Engineering and Surveying, JNEC, RUB Samdrup Jongkhar Municipality Samdrup Jongkhar Thomde Community Department of Civil Engineering, SEC Department of Civil Engineering, NEC Department of Civil Engineering, SEC	Academic Department/HEI Local government Community Academic Department/HEI Academic Department/HEI
88 89 90 91	2020 2022 2022	Demand Side Management of JNEC load	Dewathang, Bhutan Samdrup Jongkhar, Bhutan Kathmandu, Nepal Pokhara, Nepal Espoo, Finland Kathmandu, Nepal	Local Mixed International	UNEC, RUB Aaito, JNEC, SEC, NEC	JNEC, RUB JNEC, Aalto	Department of Civil Engineering and Surveying, JNEC, RUB Samdrup Jongkhar Municipality Samdrup Jongkhar Thomde Community Department of Civil Engineering, SEC Department of Civil Engineering, NEC	Academic Department/HEI Local government Community Academic Department/HEI
89	2020 2022 2022 2022 2022	Demand Side Management of JNEC load Flood modelling of Dungsum Chhu at Samdrup Jongkhar Thromde Popularization and service management of earthquake resistant building standards in Nepal Analysis of Aquarium Based Restanurant in Nepal - The Royal Booze-aquarium	Dewathang, Bhutan Samdrup Jongkhar, Bhutan Kathmandu, Nepal Pokhara, Nepal Espoo, Finland Kathmandu, Nepal Espoo, Finland Lalitpur, Nepal	Local Mixed International Mixed International	JNEC, RUB Aalto, JNEC, SEC, NEC Aalto, SEC	JNEC, RUB JNEC, Aalto Aalto, SEC	Department of Civil Engineering and Surveying, JNEC, RUB Samdrup Jongkhar Municipality Samdrup Jongkhar Thomde Community Department of Civil Engineering, SEC Department of Civil Engineering, NEC Department of Civil Engineering, SEC	Academic Department/HEI Local government Community Academic Department/HEI Academic Department/HEI
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89 90 91 92 93 93 94 95 96 95 99 99 100 101 102 103 104 105 106 107 108 109 110 111	2020 2022 202 2022 2	Demand Side Management of JNEC load Flood modelling of Dungsum Ohhu at Samdrup Jongkhar Thromde Popularization and service management of earthquake resistant building standards in Nepal Analysis of Aquarium Based Restarurant in Nepal - The Royal Booze-aquarium Feasibility Study on First Drive thru Restarurant in Nepal - SAP Drive-Thru Water Tourism at Kulekhan ir sexorol - The White Duckling The Benefits of Criverting Vintage Buildings into Resort - Plenty of Twenties A Fascharting Glass Tree House with a Glass Restarurant : he Trancul Utilization of hot springs as a sustainable energy source for a hot spring resort - Study on the Paradise A case study on a restaurant in ferils wheel - Team Phonek. The challenges of a tree house restaurant in the forset of Negal - Asaha: The Trust Potentiality of a cave restaurant in the Sky - The Sthongties Farm stay experience on a terraced hillside of Chandragit - Dalsy Farm House Lack of customers at Patlekhet Community Homestays NEPALI HANDWRITTEN TEXT RECOGNITION NEPALI SPECH SUBJECT STATEM SAUARY BOOK Sentiment ANALYSIS OF CELEBRITIES' TWEETS SAUARY BOOK Black start restoration plan of eastem grid of Bhutan , optimal sizing and placement of distribution generation in distribution network of Eastem grid Status review and prospect analysis of lighting at heritage sites in Nepal	Dewathang, Bhutan Samdrup Jongkhar, Bhutan Kathmandu, Nepal Pokhara, Nepal Espoo, Finland Kathmandu, Nepal Espoo, Finland Laifbur, Nepal Budanlikantha, Lalitour, Nepal Laihurithbaniyang, Nepal Chapakharga, Nepal Chapakharga, Nepal Dhulkhel, Nepal Budanlikantha, Lalitour, Nepal Laihur, Nepal Budanlikantha, Lalitour, Nepal Budanlikantha, Lalitour, Nepal Budanlikantha, Lalitour, Nepal Budanlikantha, Lalitour, Nepal Lal	Local Mixed International Local Loc	Aalto, JNEC, SEC, NEC Aalto, SEC Aitm SEC	JNEC, RUB JNEC, Aalto Aalto, SEC AITM AITM AITM AITM AITM AITM AITM AITM	Department of CwlE Engineering, and Surveying, JNEC, RUB Samdrup Jongkhar Thromde Community Department of CwlE Engineering, SEC Department of CwlE Engineering, NEC School of Hotel Management, AITM School of Hotel Managemen	Academic Department/HEI Local government Community Academic Department/HEI Commercial/Business Academic Department/HEI Academic Department/HEI Commercial/Business Academic Department/HEI Commercial/Business Academic Department/HEI Commercial/Business Academic Department/HEI Commercial/Business Academic Department/HEI Academic Department/HEI Commercial/Business Academic Department/HEI Commerc

				1			Dependence of Electrical and Electronics Englanders (U)	Academic Department/HEI
							Department of Electrical and Electronics Engineering, KU Department of Mechnical Engineering, KU	Local government
115	20	22 STUDY OF NEIGHBOURHOOD NOISE IN RESIDENTIAL AND INDUSTRIAL AREA	Bandipur, Pokhara	Local	ĸu	ки	Local administration and community	Community
							Department of Electrical and Electronics Engineering, KU	Academic Department/HEI
							Department of Mechnical Engineering, KU	Local government
116	20	22 STUDY OF THE IMPACT OF ACOUSTIC NOISE ON WILD SPECIES IN THE NATIONAL PARK AREA	Sauraha, Koshi Tappu	Local	ки	KU	Local administration and community	Community
117	20	022 Behavioural Change Monitoring of Autistic children	Bhaktapur, Nepal	Local	NEC	NEC	Department of Electronics & Communication Engineering, NEC	Academic Department/HEI
	20			Loodi		neo		
118	20	022 IoT based smart Hydroponics System	Bhaktapur, Nepal	Local	NEC	NEC	Department of Electronics & Communication Engineering, NEC Local farmers	Academic Department/HEI Business/Commercial
110	20		bilaktapul, Nepai	Local	NEG	NEO	Department of Electronics & Communication Engineering, NEC	Duaireaarcommerciar
							Local farmers	Academic Department/HEI
119	20	022 IoT based fertilizer doser system	Bhaktapur, Nepal	Local	NEC	NEC	Fertilizer sellers	Business/Commercial
							Department of Electronics & Communication Engineering, NEC	Academic Department/HEI
							Local farmers	Business/Commercial
120	20	22 Mushroom Disease detection using CNN	Bhaktapur, Nepal	Local	NEC	NEC	Agriculture Experts	Experts
121		122 Fatigue in Construction Workers	Bhaktapur, Nepal Mumbai, India	Mixed International	IITB. NEC	IITB. NEC	Department of Civil Engineering, IITB Department of Civil Engineering, NEC	Academic Department/HEI
121	20	122 Patigue in Construction Workers		Mixed International	ITB, NEC	ITB, NEC		Academic Department/HEI
122	20	122 Safety in Construction Workers	Bhaktapur, Nepal Mumbai, India	Mixed International	UTB NEC	IITB. NEC	Department of Civil Engineering, IITB Department of Civil Engineering, NEC	Academic Department/HEL
122	20		Bhaktapur. Nepal	windu international	ind, neo	ITD, NEC	Department of Civil Engineering, NEC	
123	20	022 Sustainable Supply Chain Management	Mumbai. India	Mixed International	ITB NEC	IITB. NEC	Department of Civil Engineering, ITB Department of Civil Engineering, NEC	Academic Department/HEI
124		122 Smart Fire Alarm System	Lalitour, Nepal	Local	AITM	AITM	Department of IT_AITM	Academic Department/HEI
125		122 Smart Agriculture	Lalitpur, Nepal	Local	AITM	AITM	Department of IT_AITM	Academic Department/HEI
126		122 Smart Bicvcle	Lalitpur, Nepal	Local	AITM	AITM	Department of IT_AITM	Academic Department/HEI
127		122 Smart Home System	Lalitpur, Nepal	Local	AITM	AITM	Department of IT_AITM	Academic Department/HEI
128		122 Smart Renewable Irrigation System	Lalitpur, Nepal	Local	AITM	AITM	Department of IT_AITM	Academic Department/HEI
129		122 Smart Waste Segregating Dustbin	Lalitpur, Nepal	Local	AITM	AITM	Department of IT. AITM	Academic Department/HEI
120	20		Bhaktapur, Nepal	Loodi		/	bopdianon of H, Arm	
130	202	22 Preserving adobe architecture in Bhaktapur and Panauti	Panauti, Nepal	Mixed International	KTU, NEC, JNEC, TU Delft, KU	KTU, NEC	Department of Civil Engineering, NEC	Academic Department/HEI
	202		Samdrup Jongkhar, Bhutan	Mixed International			Department of Civil Engineering and Surveying, JNEC, RUB	
131		022 Construction Practices in Building Operations in Bhutan	Mumbai, India		IITB, JNEC	IITB, JNEC	Department of Civil Engineering, IITB	Academic Department/HEI
			Samdrup Jongkhar, Bhutan				Department of Civil Engineering and Surveying, JNEC, RUB	
132		022 Waste Management in Construction sites in Bhutan	Mumbai, India	Mixed International	IITB, JNEC	IITB, JNEC	Department of Civil Engineering, IITB	Academic Department/HEI
133		22 Earthquake evacuation map of JNEC with GIS approach using network analysis	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
134		122 Tiger habitat suitability modeling in Bhutan using Index of Entropy technique	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
		222 Identification areas for crop Cultivation In Bhutan	Dewathang, Bhutan				Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
136		022 Urban planning using integrated CA-markov model	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
137 138		222 Mine Subsidence Mapping of Thangzor Area Using Sentinel 1 Data	Dewathang, Bhutan	Local	JNEC, RUB JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
138		022 Mapping groundwater potential zone using GIS and RS	Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB	Academic Department/HEI
139		222 Wildlife susceptibility mapping in western districts of Bhutan using using GIS and remote sensing data 222 Optimizing design of fin using simulation and analysis in solid work and developing an appropriate design index	Dewathang, Bhutan		JNEC, RUB	JNEC, RUB	Department of Civil Engineering and Surveying, JNEC, RUB Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI
140		122 Optimizing design of tin using simulation and analysis in solid work and developing an appropriate design index 122 Designing of an automated greenhouse snow melting system in Bhutan	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Mechanical Engineering, JNEC, RUB Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI Academic Department/HEI
141		122 Designing of an automated greenhouse show melting system in Brutan 122 A study of likely solutions to the barrier and challenges of electric Vehicles in Bhutan	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Mechanical Engineering, JNEC, RUB Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI Academic Department/HEI
142	20		Dewamang, Brutan	LUGAI	JINEO, NOD	JINEG, RUB	Department of Mechanical Engineering, JNEC, KOB	Academic Department/HEI
143	20	A simulation based study on performance of a Turbocharged Diesel Engine Vehicle compared to Normal Aspirated Diesel Engine Vehicle	Dewathang, Bhutan	Local	JNEC RUB	JNEC RUB	Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEL
143		122 Diesel Engine Venicle 122 Feasibility study of cold storage system in JNEC mess	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Mechanical Engineering, JNEC, RUB Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI Academic Department/HEI
144		122 Peasibility study of cold storage system in JNEC mess	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI
145		222 Impact of climate change on hydropower generation in Brutan 222 Development of an improved and efficient Automobile Workshop Lavout in JNEC	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI
146		122 Development of an improved and efficient Automobile Workshop Layout in JNEC 122 Reliability analysis of 11kV feeder of Dewathang	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Mechanical Engineering, JNEC, RUB Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI Academic Department/HEI
147		222 Reliability analysis of 11kV redder of Dewatnang 222 Automatic Corridor Light Control System Using PIR Sensor and Arduing UNO	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI
148		222 Automatic Condor Light Control System Using PIR Sensor and Arduino UNO	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Electrical Engineering, JNEC, ROB Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI
149		222 Automatic street light system using moving objects detection 222 Study of Electrical Distribution System of JNEC	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Electrical Engineering, JNEC, RUB	Academic Department/HEI
150		122 Increasing solar outputusing solar tracker and MPPT technique (Incremental conductance)	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Electrical Engineering, JNEC, ROB Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI
151		222 Simulation of model predictive controller (MPC) based oscillatory water pumping system	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI
152		222 Design and cost estimation of electric fence at Thangzor (JNEC)	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Electrical Engineering, JNEC, ROB Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI
153		122 Design and cost estimation of electric lence at Triangzor (JNEC)	Dewathang, Bhutan Dewathang, Bhutan	Local	JNEC, RUB	JNEC, RUB	Department of Mechanical Engineering, JNEC, RUB	Academic Department/HEI
104	21	veralise regulated powel supply III direct	Dowarding, Dilutari	Loodi	anco, Nob	JINEO, RUD	Department of Electrical Engineering, JNEO, ROD	Avadomic Department/TET

* Implementation impacted by COVID19

	E	Co-funded by the Erasmus+ Programme of the European Union									
	South Asia http://pblsouthasia.com/										
	TOTAL AITM NEC SEC							llSc	TU Delft	Aalto	KTU
local cases	135	27	10	13	7	78					
mixed international cases	19	7	9	8	4	12	10	5	7	11	6