

**Technical Sessions of the
9th Annual Conference of SUST Research Centre
Date 28-29th May**

Technical Session–I: For Dept. of CSE, EEE & IICT
Date: May 28, 2022 || Time: 2:00 PM – 4:00 PM

Chair: Professor Dr. Mohammad Shahidur Rahman, Host: Professor Md Tamez Uddin
(Email: mtuddin-cep@sust.edu)
Each Presentation Time: 07.00 min

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Project Duration
1.	AS/2020/1/25	CSE	Bangla Named Entity Recognition using different Deep Learning and Pretrained Models	PI: Moqsadur Rahman, Lecturer, Dept of CSE & CI: Summit Haque, Lecturer, Dept of CSE, SUST	1 year
2.	AS/2020/1/26	CSE	A Bidirectional Long Short-Term Memory (BiLSTM) based deep learning approach for hate speech detection in text and a benchmark dataset for hate speech in bangla	PI: Arnab Sen Sharma, Lecturer, Dept of CSE & CI: Md. Saiful Islam, Dept of CSE, SUST	1 year
3.	AS/2020/1/27	CSE	BED: A Bangla Emotion Dataset for Emotion analysis of Bangla text	PI: Enamul Hasan, Assistant Professor, Dept of CSE & CI: Marium-E-Jannat, Assistant Professor, Dept of CSE, SUST	1 year
4.	AS/2020/1/28	CSE	Investigating Information Security Awareness: An Empirical Research among Students and Staffs in Shahjalal University of Science and Technology, Sylhet, Bangladesh	PI: Dr. Farida Chowdhury, Associate Professor & Dr. Md. Sadek Ferdous, Assistant Professor Dept of CSE, SUST	1 year
5.	AS/2020/1/30	CSE	A new Approach for Bengali Document Summarization	PI: Ayesha Tasnim, Assistant Professor & Md. Mahadi Hasan Nahid, Assistant Professor Dept of CSE, SUST	1 year
Session Break					
6.	AS/2020/1/31	EEE	Performance Analysis of Single-Hop and Multi-Hop LoRa Networks and Determining Suitable IoT Applications	PI: Biswajit Paul, Assistant Professor, Dept of EEE & CI: Dr. Md. Forhad Rabbi, Associate Professor, Dept of CSE, SUST	1 year
7.	AS/2020/1/33	EEE	Design and Development of a Disinfecting System for COVID-19	PI: Arif Ahammad, Assistant Professor, Dept of EEE & CI: Dr. Ifte Khairul Amin, Assistant Professor, Dept of EEE, SUST	1 year
8.	AS/2020/1/34	EEE	Implementation of Photonic Crystal Fiber Biosensor Based on Surface Plasmon Resonance with High Sensitivity for Biochemical Analysis Detection	PI: Hriteshwar Talukder, Lecturer, Dept of EEE & CI: Nafis Imtiaz Rahman, Lecturer, Dept of EEE & SUST	1 year
9.	AS/2020/1/42	IICT	Bangla License Plate Detection and Recognition using Morphological Image Processing and Template Matching	PI: Dr. Ahsan Habib, Assistant Professor, Dept of IICT & CI: Fazole Mohammed Tawsif, Lecturer, Dept of IICT	1 year

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Technical Session–II: For Dept. of ANP, ENG, & BNG

Date: May 28, 2022 || Time: 2:00 PM – 4:00 PM

Chair: Prof. Dr. Muhammad Alamgir Toimoor. Host: Prof. Dr. Tulshi Kumar Das

(Email: tulshikumardas@gmail.com)

Each Presentation Time: 07.00 min

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Project Duration
1.	SS/2020/1/01	ANP	Covid 19 Outbreak and it's Impact in Primary education: A comparative study on between Urban and Rural setting in the context of Sylhet Bangladesh	PI: Moni Paul, Assistant Professor, Dept of Anthropology & CI: Sanjay Krishna Biswas, Assistant Professor, Dept of Anthropology, SUST	1 year
2.	SS/2020/1/02	ANP	Understanding the effect of behavior change communication (BCC) intervention on infant and young child feeding (IYCF) practices during the context of Covid 19 in peri-urban Sylhet	PI: Mohammad Monjur-Ul-Haider, Assistant Professor, Dept of Anthropology & CI: Chowdhury Farhana Jhuma, Associate Professor, Dept of Anthropology, SUST	1 year
3.	SS/2020/1/03	ANP	A Qualitative Study on the Conditions and Challenges Related to Maternal and Neonatal Health Services at Lovachora Tea Garden Area Kanaighat, Sylhet. Bangladesh	PI: AFM Zakaria, Associate Professor, Dept of Anthropology & CI: Mohammad Javed Kaiser Ibne Rahman, Assistant Professor, Dept of Anthropology, SUST	1 year
4.	SS/2020/1/04	ANP	Health Information Messages : Knowledge, Perception and Cultural Responses among Women in North-East Region of Bangladesh	PI: Korima Begum, Assistant Professor, Dept of Anthropology & CI: Marriya Sultana Assistant Professor, Dept of Anthropology, SUST	1 year
Session Break					
5.	SS/2020/1/05	ANP	Menstrual Hygiene Management (MHM) among adolescent school girls: exploring the societal reality in contrast to expectation	PI: Muhammad Salim Miah, Lecturer, Dept of Anthropology & CI: Navila Kawser, Lecturer, Dept of Anthropology, SUST	1 year
6.	SS/2020/1/06	ANP	Identify the flows and impacts of misinformation during Covid-19 pandemic in Bangladesh and investigate the individuals' participation in spreading out these distorted news on digital platforms	PI: Zafrin Ahmed Liza, Assistant Professor, Dept of Anthropology & CI: Asif Mohammed Samir, Assistant Professor, Dept of ICT, SUST	1 year
7.	SS/2020/1/09	BNG	নজরুল কথাসাহিত্যে কাজী নজরুল ইসলাম	PI: Professor Dr. Md. Rejaul Islam, Dept of Bangla, SUST	1 year
8.	SS/2020/1/10	BNG	বাংলাদেশের ঘাটুগান : সংগ্রহ, ভাববস্তু বিচার ও পরিবেশনরীতি	PI: Dr. Md. Zafir Uddin, Associate Professor, Dept of Bangla & CI: Md. Abu Baker Siddique, Lecturer, Dept of Bangla, SUST	1 year

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: tulshikumardas@gmail.com

Technical Session–III: For Dept. of STA, OCG & GEE
Date: May 28, 2022 || Time: 02: PM – 4:00 PM

Chair: Prof. Dr. Md. Zakir Hossain. Host: Professor Dr. Md. Rashed Talukder
(E mail: r.talukder-mat@sust.edu)

Each Presentation Time: 07.00 min. (1 year projects) and 10 min (2 & 3 years projects)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	PS/2018/3/35	STA	Heterogeneity and the impact of depression on health related quality of life among patients with Type 2 diabetes living in Sylhet City Corporation: An Application of trajectory modeling techniques	PI: Dr. Md. Atiqul Islam, Assistant Professor, Dept of STA & CI: Dr. Lutful Alahi Kawsar, Associate Professor, Dept of STA, SUST	3 year
2.	PS/2019/2/30	STA	Performance of Genetic Risk Scores as a Covariate or an Instrumental Variable in the Causal Association Studies using Time Independent and Survival Data: a Simulation Study	PI: Professor Dr. Md. Jamal Uddin, Dept of STA, SUST	2 year
3.	PS/2020/1/33	STA	Slum and Non-Slum Differentials in Nutritional and Mental Health Status of Elderly in Sylhet of Bangladesh	PI: Professor Dr. Mohammad Taj Uddin, Dept of Statistics & CI: Professor Dr. Ahmed Kabir, Dept of Statistics, SUST	1 year
4.	PS/2020/1/34	STA	Impact of COVID 19 on food security and economic efficiency of vulnerable agriculture households in rural areas of Bangladesh	PI: Dr. Kanis Fatema Ferdushi, Assistant Professor, Dept of Statistics & CI: Professor Dr. Rahmat Ali, Dept of Statistics, SUST	1 year
5.	PS/2020/1/35	STA	Relationships among Occupational Stress, Professional Burnout and Depressive Symptoms of Public and Private University teachers in Sylhet	PI: Professor Dr. Luthful Alahi Kawsar, Dept of Statistics & CI: Dr. Md. Atiqul Islam, Associate Professor, Dept of Statistics, SUST	1 year
6.	PS/2020/1/37	STA	Mental health knowledge and awareness among university students: A study in Sylhet city, Bangladesh	PI: Professor Dr. Md. Jamal Uddin, Dept of Statistics, SUST	1 year
Session Break					
7.	PS/2020/1/15	GEE	Study on Tropical Cyclones: Pattern, Vulnerability Level, and Mitigation Capacity of the People of South -West Coast, Bangladesh	PI: Md. Najmul Kabir, Lecturer, Dept of GEE & CI: Md. Bahuddin Sikder, Assistant Professor, Dept of GEE, SUST	1 year
8.	PS/2020/1/16	GEE	Assessment of Ecological Imbalance for Natural and Anthropogenic Activities at Hakaluki Haor	PI: Md. Muyeed Hasan, Assistant Professor, Dept of GEE & CI: Zia Ahmed, Assistant Professor, Dept of GEE, SUST	1 year
9.	PS/2020/1/17	GEE	Influence of COVID-19 Pandemic on Air Quality based on Particulate Matter in Dhaka city, Bangladesh	PI: Md. Tariqul Islam, Assistant Professor, Dept of GEE & CI: Nusrat Jahan Koley, Assistant Professor, Dept of GEE, SUST	1 year
10.	PS/2020/1/26	OCG	Marine Biodiversity Habitat Mapping for Saint Martin Island through integration of community knowledge and science	PI: Muhammad Mizanur Rahman, Lecturer, Dept of OCG & CI: Morgina Akter, Lecturer, Dept of OCG, SUST	1 year
11.	PS/2020/1/27	OCG	Salt transport mechanism in Meghna River Estuary of the northern Bay of Bengal	PI: Dr. Subrata Sarker, Assistant Professor, Dept of OCG & CI: Md. Shajjadur Rahman, Lecturer, Dept of OCG, SUST	1 year
12.	PS/2020/1/26	OCG	Marine Biodiversity Habitat Mapping for Saint Martin Island through integration of community knowledge and science	PI: Muhammad Mizanur Rahman, Lecturer, Dept of OCG & CI: Morgina Akter, Lecturer, Dept of OCG, SUST	1 year

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Technical Session–IV: For Dept. of FES

Date: May 28, 2022 || Time: 2:00 PM – 4.00 PM

Prof. Dr. Swapan Kumar Sarker. Host Prof. Dr. A. Z. M Manzoor Rashid

(Email: pollen_forest@yahoo.com)

Each Presentation Time: 07.00 min (1 year project) and 10 min. (2 & 3 years projects)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	FES/2018/3/08	FES	Developing a framework and a modified model for valuation of recreational economic benefits of protected areas in Bangladesh	PI: Dr. Narayan Saha, Professor Dept. of FES, SUST & CI:	3 year
2.	FES/2019/2/01	FES	Measuring the combined effects of climate and anthropogenic perturbation on major functions of tropical forest ecosystems in Bangladesh	PI: Dr. Mohammad Abu Sayed Arfin Khan, Associate Professor, Dept of FES, SUST	2 year
3.	FES/2020/1/03	FES	Impact of climate change on yield and plant functional traits of three major agroforestry species in Bangladesh	PI: Fahmida Sultana, Assistant Professor, Dept of FES & CI: Dr. Mohammad Abu Sayed Arfin Khan, Associate Professor, Dept of FES, SUST	1 year
4.	FES/2020/1/04	FES	Examining the effect of soil properties and topography on tree biomass production in Satchari National Park	PI: Md. Saifuzzaman Bhuiyan, Lecturer, Dept of FES & CI: Abdur Rakib Bhuiyan, Lecturer, Dept of FES, SUST	1 year
Session Break					
5.	FES/2020/1/05	FES	Determining the hydro-climatic influences on growth dynamics of two important tree species (<i>Excoecaria agallocha</i> L. and <i>Heritiera fomes</i> Buch.-Ham) in the Sundarbans	PI: Professor Dr. Md. Qumruzzaman Chowdhury, Dept of FES & CI: Rabeya Sultana, Lecturer, Dept of FES, SUST	1 year
6.	FES/2020/1/07	FES	Assessment of the diversity of wood-decay fungi in selected sawmill depots of Sylhet district, Bangladesh	PI: Dr. Mohammad Masum Ul Haque, Assistant Professor, Dept of FES & CI: Rahela Kahtun, Lecturer, Dept of FES, SUST	1 year
7.	FES/2020/1/08	FES	How does livelihood vulnerability influences in local climate change adaptation? An empirical evidence from disaster prone areas in Bangladesh	PI: Dr. Farzana Raihan, Associate Professor, Dept of Forestry and Environmental Science, SUST	1 year
8.	FES/2020/1/09	FES	Assessing tree growth and xylem hydraulic responses of Bangladeshi moist forest trees to climate change by tree-ring analysis and wood anatomical investigation	PI: Dr. Mizanur Rahman, Associate Professor, Dept of FES & CI: Dr. Mahmuda Islam, Associate Professor, Dept of FES, SUST	1 year

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Technical Session–V: For Dept. of CHE

Date: May 28, 2022 | Time: 4:00 PM – 6:00 PM

Chair: Prof. Dr. Md. Mizanur Rahman, Host: Prof. Dr. S.M. Saiful Islam (Email: director-rc@sust.edu)
Each Presentation Time: 07.00 min. (1 year project) and 10 min. (2 & 3 years projects)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Project duration
1.	PS/2018/3/27	CHE	Promotion of composite Materials to enhance catalytic activities pertaining to environment Related Reactions	PI: Professor Dr. Abul Hasnat, Dept of Chemistry & CI: S M Nizam Uddin, Lecturer, Dept of Chemistry, SUST	3 year
2.	PS/2018/3/28	CHE	Adsorptive removal of toxic chromium (Cr) from tannery waste effluent by using low cost bio-degradable sorbents and re-using this recovered Cr for other purposes	PI: Professor Dr. Ahmed Jalal Farid Us Samad, Dept of Chemistry & CI: Ms Rehana Pervin, Assistant professor, Dept of Chemistry, SUST	3 year
3.	PS/2018/3/29	CHE	Fabrication of Hybrid Carbon Nanotubes-Polymer Nanocomposites for Sustainable Flame Retardant Textiles	PI: Nur Uddin Ahamad, Ph.D, Associate Professor, Dept of Chemistry, Md. Mohibul Alam, Associate Professor, Dept of Dept of CEP, SUST	3 year
4.	PS/2018/3/30	CHE	Sustainable Utilization of waste paper sludge (Hypo Sludge) in Bangladesh Construction Industry	PI: Professor Dr. Syed Shamsul Alam, Dept of Chemistry & CI: Professor Dr. Mst. Khurshida Begum, Dept of Chemistry, SUST	3 year
5.	PS/2020/1/01	CHE	Development of Novel electro-chemical and bio-sensing materials using multi-metal oxide nanocomposite	PI: Professor Dr. Md. Abdus Subhan, Dept of CHE & Pallab Chandra Saha, Lecturer, Dept of CHE, SUST	1 year
6.	PS/2020/1/03	CHE	Enhancement of sorption capacity of biodegradable sorbents to remove toxic trace metal Cr from waste water utilizing Inductively Coupled Plasma (ICP) spectrophotometry	PI: Professor Dr. Ahmed Jalal Farid Us Samad, Dept of CHE, SUST	1 year
Session Break					
7.	PS/2020/1/06	CHE	Study the effectiveness of different online teaching learning tools for Quality Education in higher educational institutions	PI: Professor Dr. M. Ashraful Alam, Dept of Chemistry, SUST	1 year
8.	PS/2020/1/07	CHE	Fabrication of Nobel Cellulose-Metal OxideBiocomposites and Studying Their Antimicrobial Activity	PI: Dr. Shishir Kanti Pramanik, Associate Professor, Dept of Chemistry & CI: Professor Dr. Nur Uddin Ahamad, Dept of Chemistry, SUST	1 year
9.	PS/2020/1/08	CHE	Design, green-route synthesis, spectroscopic characterization and antimicrobial property study of Schiff's bases and their transition metal complexes	PI: Ramkrishna Saha, Assistant Professor, Dept of Chemistry & CI: Belal Ahmed, Assistant Professor, Dept of Chemistry, SUST	1 year
10.	PS/2020/1/09	CHE	Development of electrocatalysts for studying environment and energy related reactions	PI: Professor Dr. Mohammad Abul Hasnat, Dept of Chemistry & CI: Dr. S M Nizam Uddin, Assistant Professor, Dept of Chemistry, SUST	1 year
11.	PS/2020/1/10	CHE	Studies of Suzuki-coupling reaction to prepare the intermediate of Perkin reaction using Pd(Oac) ₂ [HPcy ₃](BF ₄)/K ₂ CO ₃ catalytic system	PI: Professor Dr. Mahbubul Alam, Dept of Chemistry, SUST	1 year
12.	PS/2020/1/12	CHE	Fabrication of PANI/Zr-n-propoxide/ZnO nanocomposites for drug degradation: Towards superior luminescence property, morphology and thermal stability	PI: Professor Dr. Mohammad Mizanur Rahman Khan, Dept of Chemistry & CI: Md. Masum Talukder, Assistant Professor, Dept of Chemistry, SUST	1 year

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Technical Session–VI : For Dept. of PAD, & PSS

Date: May 28, 2022 || Time: 4.00 PM – 6:00 PM

Chair: Prof. Dilara Rahman, Host: Prof. Dr. Tulshi Kumar Das (Email: tulshikumardas@gmail.com)

Each Presentation Time: 07.00 min. (1 year project) and 10 min (2 years project)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	SS/2019/2/23	PAD	Partnering with communities to deliver sustainable and responsive remote rural health service in Shalla sub-district, Bangladesh	PI: Dr. Esmot Ara, Associate Professor, Dept of PAD & CI: Professor Dr. Mohammad Shafiqul Islam, Dept of PAD, SUST	2 year
2.	SS/2020/1/23	PAD	Citizen Satisfaction and Trust in Government: An investigation into the role of Public Service Delivery	PI: Chowdhury Abdullah Al-Hossienie, Associate Professor, Dept of Public Administration & CI: Kanij Fatema, Assistant Professor, Dept of Public Administration, SUST	1 year
3.	SS/2020/1/24	PAD	Public Perception of Trust in Police: A Comparative Study citizens' view between Model and Non-Model Thana	PI: Professor Anwara Begum, Dept of Public Administration, SUST	1 year
4.	SS/2020/1/26	PAD	Effectiveness of Participatory Budgeting System at Union Parishad in Bangladesh: A Study on Sylhet District	PI: Sabina Yasmin, Assistant Professor, Dept of Public Administration & CI: Mr. Muhammad Mustofa Kamal Assistant Professor, Dept of Public Administration, SUST	1 year
5.	SS/2020/1/27	PAD	Challenges for Embracing Online Education at the Universities in Bangladesh: Lesson from the Coronavirus (COVID-19) Outbreak	PI: Md. Mahmud Hasan, Assistant Professor, Dept of Public Administration & CI: Jobayda Gulshan Ara, Assistant Professor, Dept of Public Administration, SUST	1 year
6.	SS/2019/2/27	PSS	Encountering Reality: Uncovering the Problems of Social Integration of the Rohingya Refugees in Bangladesh	PI: Professor Dr. Md. Nazrul Islam, Dept of PSS & CI: Professor Dr. Md. Al-Amin, Dept of SOC, SUST	2 year
7.	SS/2020/1/28	PSS	Decrement Gender Gap through One-Stop Outlets in Haor Region: A Study on Kishoreganj District	PI: Professor Zayeda Sharmin PhD, Dept of Political Studies & CI: Mohammad Samiul Islam, Associate Professor, Dept of Public Administration, SUST	1 year
8.	SS/2020/1/29	PSS	The effects of Covid-19 on the role of social capital in climate change adaptation: A study on haor basin in Bangladesh	PI: Md. Amdadul Haque, Assistant Professor, Dept of PSS & CI: Hajera Aktar, Assostant Professor, Dept of PSS, SUST	1 year
9.	SS/2020/1/30	PSS	Impact of COVID-19 on Tourism Geography of Bangladesh: Study on Sylhet Region	PI: Professor Dr. Mohammad Jahirul Hoque, Dept of PSS & CI: Abu Sufian, Lecturer, Dept PSS, SUST	1 year
10.	SS/2020/1/31	PSS	Assessment of the Impact of Contracted Overseas Labor Market on the Migrants' Families due to COVID-19	PI: Md. Mahub Alam, Assistant Professor, Dept of Political Studies & CI: Syeda Ismot Ara Jahan, Assistant Professor, Dept of Political Studies, SUST	1 year

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Technical Session–VII : For Dept. of IPE & PME
Date: May 28, 2022 || Time: 4:00 PM – 6.00 PM

Chair: Prof. Dr. Md. Ariful Islam. Host: Prof. Dr. Tamez Uddin
(Email: mtuddin-cep@sust.edu)

Each Presentation Time: 07.00 min (1 year project) & 10.00 min. (2 year project)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	AS/2019/2/40	IPE	Incorporating sustainability strategies into the supply chain management practice on selected export-oriented manufacturing companies	PI: Professor Dr. Ahmed Sayem, Dept of IPE & Mahathir Mohammad Bappy, Lecturer, Dept of IPE, SUST	2 year
2.	AS/2020/1/44	IPE	Entrepreneurship Development in Greater Sylhet-A Critical Assessment and Framework Development	PI: Professor Dr. Md. Ariful Islam, Dept of IPE & CI: Md. Mehedi Hasan Kibria, Lecturer, Dept of IPE, SUST	1 year
3.	AS/2020/1/46	IPE	Energy Consumption and Production Rate in Manufacturing : Prediction, Optimization and Environmental Impact Assessment	PI: Professor Dr. Mohammad Muhshin Aziz Khan, Dept of IPE, SUST	1 year
4.	AS/2020/1/47	IPE	Research Facilities development for the hybrid micro-machining workcell through augmentation of existing malfunctioned CNG machines	PI: Professor Dr. Md. Abu Hayat Mithu, Dept of IPE, SUST	1 year
5.	AS/2020/1/48	IPE	Challenges and prospects of adapting technology and innovation in manufacturing sector of Bangladesh	PI: Professor Dr. Choudhury Abul Anam Rashed, Dept of IPE, SUST	1 year
6.	AS/2020/1/49	IPE	Develop a Computational Model for the Coronavirus Disease 2019 (COVID-19) Outbreak in Bangladesh with Facts and Measures	PI: Professor Dr. Abul Mukid Mohammad Mukkaddes, Dept of IPE, SUST	1 year
7.	AS/2020/1/50	IPE	Course Dropout at the Undergraduate Level in Engineering Discipline-Current Scenario, Causes and Consequences	PI: Professor Dr. Mst. Nasima Bagum, Dept of IPE & CI: Syeda Kumrun Nahar, Assistant Professor, Dept of IPE, SUST	1 year
8.	AS/2020/1/51	IPE	Development of Efficient and Cost-effective Production Process of Energy Efficient Charcoals made from Rice Husk-An exploratory study with the aim of developing local Industry	PI: Jahid Hasan, Assistant Professor, Dept of IPE & CI: Saiful Islam, Lecturer, Dept of IPE, SUST	1 year
Session Break					
9.	AS/2020/1/52	IPE	Feasibility Study of the Application of Industry 4.0 in RMG Sector of Bangladesh	PI: Syed Misbah Uddin, Associate Professor, Dept of IPE & CI: Chowdhury Md. Luthfur Rahman, Associate Professor, Dept of IPE, SUST	1 year
10.	AS/2020/1/53	IPE	Experimental investigations on thermal degradation of Solar PV Module at outdoor conditions and the enhancement of Module output using different cooling techniques	PI: Professor Dr. Muhammad Mahamood Hasan, Dept of IPE & CI: Professor Dr. A.B.M Abdul Malek, Dept of IPE, SUST	1 year
11.	AS/2020/1/54	IPE	Assessment of the existing status of working environment at selected garment factories in Bangladesh during COVID-19 Situation & Post COVID-19 situation	PI: Professor Dr. Mohammad Iqbal, Dept of IPE, SUST	1 year
12.	AS/2020/1/56	PME	Evaluation of the generation of landfill gas from Municipal Solid Waste and the application of life cycle analysis for the management of waste in Sylhet City, Bangladesh.	PI: Md. Abdullah Al Numanbakth, Lecturer, Dept of PME, SUST	1 year
13.	AS/2020/1/58	PME	Empirical, statistical, and machine learning approach to predict water saturation in a heterogeneous petroleum reservoir using geophysical well logs and laboratory derived core data	PI: Labiba Nusrat Jahan, Assistant Professor, Dept of PME & CI: Mahamudul Hasan, Lecturer, Dept of PME, SUST	1 year
14.	AS/2020/1/59	PME	Spatio-temporal dynamic changes of land cover and their impacts on the land surface temperature in Sylhet district, Bangladesh	PI: Sharmin Akter, Lecturer, Dept of PME & CI: Md. Solaiman Hossain, Assistant Professor, Dept of OCG, SUST	1 year

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Technical Session–VIII: For Dept. of GEB
Date: May 29, 2022 || Time: 11:00 AM – 01:00 PM

Chair: Prof. Dr. Md Kamrul Islam. Host Prof. Dr. A. Z. M Manzoor Rashid
(Email: pollen_forest@yahoo.com)

Each Presentation Time: 07.00 min. (1 year project) and 10 min. (2 & 3 years projects)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	LS/2018/3/11	GEB	Production and Characterization of Biomaterials from <i>Scylla serrata</i> for Control Delivery of Drugs to Induce Osteoclast Differentiation and Bone Regeneration	PI: Professor Dr. Md. Abdullah Al Mamun, Dept of GEB & CI: Md. Belal Hossain Sikder, Associate Professor, Dept of FET, SUST	3 year
2.	LS/2018/3/12	GEB	Crack the Molecular mechanism of β -thalassemia disease in Bangladeshi Population	PI: Professor Dr. Mohammad Jakir Hossain, Dept of GEB, SUST	3 year
3.	LS/2018/3/13	GEB	Phyto-pharmacological assessment of indigenous medicinal plants for anti-diabetic and anti-cholesterol potentials	PI: Professor Dr. Md. Kamrul Islam, Dept. of GEB, SUST	3 year
4.	LS/2018/3/14	GEB	Production of Recombinant Cellulase and Protease Enzymes by Using Organic Municipal Solid Wastes	Professor Dr. Md. Abul Kalam Azad, Dept. of GEB, SUST	3 year
5.	LS/2018/3/15	GEB	Molecular ecology to compare salinity adaptation of hilsa shad, <i>Tenuulosa ilisha</i> for control production in Bangladesh	PI: Professor Dr. Md. Faruque Miah, GEB, SUST	3 year
6.	LS/2020/1/09	GEB	Inhibition of Key Digestive Enzymes Linked to Type 2 Diabetes by the Extracts of <i>Arachis hypogaea</i> and <i>Cinnamomum tamala</i> to Manage Diabetes Mellitus	PI: Professor Dr. Md. Jahangir Alam, Dept of Genetic Engineering and Biotechnology, SUST	1 year
7.	LS/2020/1/10	GEB	Thread-based low-priced micro-device for fast antibacterial drug sensitivity test and profiling of bacteria	PI: Dr. Gokul Chandra Biswas, Associate Professor, Dept of Genetic Engineering and Biotechnology, SUST	1 year
8.	LS/2020/1/11	GEB	Genetic Diversity Analysis of Rice (<i>Oryza sativa</i> L.) Landraces Using Microsatellite Markers	PI: Asif Mahmud, Lecturer, Dept of GEB & CI: Md. Hazrat Ali, Assistant Professor	1 year
Session Break					
9.	LS/2020/1/12	GEB	Whole Genome Sequencing, Genomic Variation and Demographic Data Analysis of SARS-COV-2 Strain Isolated from Sylhet Division of Bangladesh	PI: Md. Hammadul Haque, Assistant Professor, Dept of GEB & CI: Ziaul Faruque Joy, Assistant Professor, Dept of GEB, SUST	1 year
10.	LS/2020/1/13	GEB	Molecular identification of plant parasitic rice nematodes and evaluation of some plant extracts for their nematocidal activity against nematodes	PI: Professor Dr. Md. Kamrul Islam, Dept of Genetic Engineering and Biotechnology, SUST	1 year
11.	LS/2020/1/14	GEB	Development of bioinformatics platform for the genome wide association studies (GWAS) of economically important traits of livestock species	PI: Professor Dr. Mohammad Zahangir Alam, Dept of GEB & CI: Professor Dr. S M Abu Sayem, Dept of GEB, SUST	1 year
12.	LS/2020/1/15	GEB	A comprehensive study on the COVID-19 outbreak in Bangladesh Egidemological features, people's perception, clinical characterization, and prediction of possible therapeutics	PI: Professor Dr. Mohammad Jakir Hossain, Dept of Genetic Engineering and Biotechnology, SUST	1 year
13.	LS/2020/1/16	GEB	Evaluation of salinity tolerance in Bt Brinjal genotypes to cultivate in the salt prone areas of Bangladesh	PI: Dr. Ashrafuzzaman, Associate Professor, Dept of GEB & CI: Dr. Asif Iqbal, Associate Professor, Dept of GEB, SUST	1 year
14.	LS/2020/1/17	GEB	Molecular identification of Endophytes from <i>Azadirachta indica</i> and Evaluation of Antimicrobial Activities of Their Extracellular Metabolites against Bacterial Superbugs and Phytopathogenic Fungi	PI: Professor Dr. Md. Abul Kalam Azad, Dept of GEB & CI: Md. Toasim Hossain, Lecturer, Dept of GEB, SUST	1 year
15.	LS/2020/1/18	GEB	Improvement of Salt Stress Tolerance in Rice (<i>Oryza sativa</i> L.) Using Plant Growth Promoting (PGP) Bacteria	PI: G.M. Nurnabi Azad Jewel, Lecturer, Dept of GEB & CI: Md. Akkas Ali, Lecturer, Dept of GEB, SUST	1 year

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pollen_forest@yahoo.com**

Technical Session-IX: For Dept. of MAT, & PHY
Date: May 29, 2022 | Time: 11:00 AM – 01:00 PM

Chair: Prof. Dr. Abdul Hannan. Host: Professor Dr. Md. Rashed Talukder
(E mail: r.talukder-mat@sust.edu)

Each Presentation Time: 07.00 min. (1 year project) and 10 .00 min. (2 & 3 years projects)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Project duration
1.	PS/2018/3/36	MAT	Translating Ocean into Economics: Modelling marine spatial planning scenarios for Blue Economy Development in the northern Bay of Bengal	PI: Professor Dr. Md. Rashed Talukder, Department of Oceanography & CI: Dr. Subrata Sarker, Lecturer, Department of Oceanography, SUST	3 year
2.	PS/2019/2/23	MAT	Analysis of piecewise linear differential equations that exhibit unusual dynamic behavior	PI: Professor Dr. Pabel Shahrear, Dept of MAT, SUST	2 year
3.	PS/2020/1/18	MAT	Finite element algorithm for solving one-dimensional Richard's equation	PI: Professor Dr Mohammad Sayful Islam, Dept of MAT & CI: Dr. Rezwan Ahmead, Dept of MAT, SUST	1 year
4.	PS/2020/1/19	MAT	Recognition of N-free posets by using poset matrix and its application to enumeration	PI: Mohammad Salah Uddin, Assistant Professor, Dept of Mathematics & CI: Md. Shah Noor, Professor, Dept of Mathematics, SUST	1 year
5.	PS/2020/1/22	MAT	Numerical Simulation of non-Newtonian Blood Flow through Eccentrically Stenosed Artery Using Large Eddy Simulation Technique	PI: Dr. Md. Alamgir Kabir, Associate Professor, Dept of Mathematics & CI: Pronob Kumar Biswas, Assistant Professor, Dept of IPE, SUST	1 year
6.	PS/2020/1/23	MAT	Two-Phase Flow Simulation and Analysis of Bubble Boiling Using Modified Volume of Fluid Method	PI: Professor Dr. Md. Ashraf Uddin, Dept of Mathematics & CI: Dipok Deb, Lecturer, Dept of Mathematics, SUST	1 year
7.	PS/2020/1/24	MAT	Mathematical modelling and analysis for the study of the dynamics of HIV infection of CD4+T-cells through nonlinear saturated incidence rate and varied inflammatory cytokine effect	PI: Professor Dr. Md. Aminul Haque, Dept of Mathematics & CI: Mr. Amit Kumar Chakraborty, Lecturer, Dept of Mathematics, SUST	1 year
Session Break					
8.	PS/2020/1/25	MAT	Analysis of the COVID-19 pandemic situation and prediction of its consequences in Bangladesh based on the Mathematical Model	PI: S M Saydur Rahman, Lecturer, Dept of Mathematics & CI: Professor Dr. Pabel Shahrear, Dept of Mathematics, SUST	1 year
9.	PS/2018/3/31	PHY	Characterization of different Silicon Photomultipliers and crystals for the application of In Beam (Proton Beam) Time of Flight Positron Emission Tomography (ibTOF-PET)	PI: Professor Dr. Md. Akhtarul Islam, Dept of CEP & CI: Jibesh Kanti Saha, Lecturer, Dept of EEE, SUST	3 year
10.	PS/2018/3/32	PHY	Management of Radioactive Low and Intermediate Level Wastes (LILW) in Bangladesh	PI: Professor Dr. Md. Shah Alam, Dept. of Physics, SUST	3 year
11.	PS/2018/3/33	PHY	Investigation of Exciton Dissociation in Organic Semiconductors	PI: Professor Dr. Nazia Chawdhury, Dept of Physics, SUST	3 year
12.	PS/2019/2/26	PHY	Effect of Yttrium (Y) Substitution on electrical and structural properties in La _{1-x} Y _x CoO ₃	PI: Prof. Dr. Shamsun Naher Begum, Dept. of PHY & CI: Dr. Sarwat Binte Rafiq, Associate Professor, Dept. of PHY, SUST	2 year
13.	PS/2020/1/28	PHY	Effect of temperature on electrical and structural properties in Dy ₂ Ti ₂ O ₇	PI: Professor Dr. Shamsun Naher Begum, Dept of Physics & CI: Muhammad Omar Faruk, Associate Professor, Dept of Physics, SUST	1 year
14.	PS/2020/1/29	PHY	Formation and Characterization of Organics and Nano-Metal Oxides using Molecular Dynamics on High Performance Computer	PI: Dr. Md. Enamul Hoque, Assistant Professor, Dept of PHY & CI: Mr. Jaseer Ahmed, Lecturer, Dept of PHY, SUST	1 year

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r.talukder-mat@sust.edu

Technical Session – X: Dept. of ARC and CEE
Date: May 29, 2022 || Time: 11.00 AM – 01:00 PM

Chair: Professor Dr. Mushtaq Ahmed Host: Prof. Dr. Tamez Uddin (Email: mtuddin-cep@sust.edu)
Each Presentation Time: 07.00 min. (1 year project) 10 min. (2 & 3 years projects)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	AS/2020/1/01	ARC	Regenerating urban water-front as water-sensitive landscape: Planning and design framework for integrating Green-blue infrastructure in Sylhet city	PI: Hossain Mohammad Nahyan, Assistant Professor, Dept of Architecture & CI: Gourpada Dey, Assistant Professor, Dept of Architecture, SUST	1 year
2.	AS/2020/1/02	ARC	Urban Cultural Landscape: Studying 'Interdependence' of Historic Urban Neighborhood Pattern and Traditional House Forms of Sylhet City	PI: Kawshik Saha, Associate Professor, Dept of Architecture & CI: Shubhajit Chowdhury, Assistant Professor, Dept of Architecture, SUST	1 year
3.	AS/2020/1/03	ARC	Model of Sustainable Landscape Design for Future Development of SUST Campus	Iftekhar Rahman, Associate Professor, Dept of Architecture & CI: Subrata Das, Assistant Professor, Dept of Architecture, SUST	1 year
4.	AS/2020/1/04	ARC	Planning for the New Normal: Design Strategies for a Post-Pandemic (COVID-19) Emerging Lifestyle and Built Form	PI: Sazdik Ahmed, Assistant Professor, Dept of Architecture & CI: Zannat Ara Dilshad Shangi, Lecturer, Dept of Architecture, SUST	1 year
5.	AS/2020/1/05	ARC	Earthquake risk perception concerning the preparedness in Sylhet City Corporation	PI: Abhijit Mazumdar, Lecturer, Dept of Architecture & CI: Rezwane Sobhan, Assistant Professor, Dept of Architecture, SUST	1 year
6.	AS/2020/1/06	ARC	Assessing the physical features and urban design qualities of pedestrian segment: a case study of Sylhet, Bangladesh	PI: Md. Tanvir Hasan, Assistant Professor, Dept of Architecture & CI: Md. Mahfuzur Rahman, Associate Professor, Dept of Architecture, SUST	1 year
7.	AS/2020/1/07	ARC	A syntactic analysis on the effect of morphological transformation of the changing land-use pattern of the historical Sylhet city	PI: Md. Arifur Rahman, Lecturer, Dept of Architecture & CI: Shahla Safwat Ravhee, Assistant Professor, Dept of Architecture, SUST	1 year
8.	AS/2019/2/07	CEE	Investigating the root causes of non-conformities in building construction projects	PI: Dr. Mohammad Saiful Islam, Associate Professor, CEE & Professor Dr. Mohammaod Aktharul Islam Chowdhury, Dept of CEE, SUST	2 year
Session Break					
9.	AS/2020/1/08	CEE	Development of an SFD graphic to investigate the sanitation condition of SUT campus in line with sustainable development goal	PI: Professor Dr. Muhammad Azizul Hoque, Dept of Civil Environmental Engineering, SUST	1 year
10.	AS/2020/1/09	CEE	Earthquake intensity map of Sylhet zone using GIS Hobiganj, Molovibazar and Sylhet urban city	PI: Professor Dr. Md. Jahir Bin Alam, Dept of Civil Environmental Engineering & CI: Ayesha Ferdous Mita, Lecturer, Dept of Civil Environmental Engineering, SUST	1 year
11.	AS/2020/1/10	CEE	Production of activated carbon from locally available materials for treating saline drinking water	PI: Professor Dr. Bijit Kumar Banik, Dept of Civil Environmental Engineering & CI: Ayesha Ferdous Mita, Lecturer, Dept of Civil Environmental Engineering, SUST	1 year
12.	AS/2020/1/11	CEE	Development of a hydrodynamic model for natural drainage system of Sylhet City Corporation	Professor Dr. Md. Misbah Uddin, Dept of Civil Environmental Engineering, SUST	1 year
13.	AS/2020/1/13	CEE	Properties and crack pattern analysis of concrete prepared with granite powder as partial replacement of fine aggregate and aluminium wire as fiber reinforcement	PI: Mohaiminul Haque, Assistant Professor, Dept of CEE & CI: Sourav Ray, Assistant Professor, Dept of CEE, SUST	1 year
14.	AS/2020/1/14	CEE	Evaluating the feasibility of Mass Transit for Sylhet City	PI: Md. Bashirul Islam, Associate Professor, Dept of CEE & CI: Md. Aminul Islam, Assistant Professor, Dept of CEE, SUST	1 year
15.	AS/2020/1/17	CEE	Slope stability analysis of different hillocks st SUST along with their geotechnical poverty determination	Nur Md. Robiul Hoque, Assistant Professor, Dept of CEE & CI: Shriful Islam, Assistant Professor, Dept of CEE, SUST	1 year

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Technical Session–XI: For Dept. of SOC& SCW
Date: May 29, 2022 || Time: 11:00 AM – 01.00 PM

Chair: Prof. Dr. Mohammad Jasim Uddin, Host: Prof. Dr. Tulshi Kumar Das
(Email: tulshikumardas@gmail.com)

Each Presentation Time: 07.00 min. and 10.00 min. (2 & 3 years projects)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	SS/2018/3/42	SCW	HIV/AIDS in Bangladesh: An exploratory study	PI: Professor Dr. Tulshi Kumar Das, Dept. of SCW & CI: Md. Fakhru Alam, Assistant Professor, Dept. of SCW, SUST	3 year
2.	SS/2018/3/43	SCW	Sustainable Development of Haor Community Through Smart Village: a Study	PI: Professor Dr. Md. Ismail Hossain, Dept of SCW, SUST	3 year
3.	SS/2018/3/45	SOC	Cultivating decent working conditions through Accord remediation program: workplace consciousness and quality of work-life in RMG sector in Bangladesh	PI: Professor Dr. A H M Belayeth Hussain, Dept of SOC & CI: Md. Amdadul Haque, Assistant Professor, Dept. of PSS, SUST	3 year
4.	SS/2018/3/46	SOC	Civil Society and Social Development in Bangladesh: A Study in Sylhet Division	PI: Professor Dr. Abdul Ghani, Dept of Sociology, SUST	3 year
5.	SS/2020/1/34	SCW	“COVID-19 and Rohingya Refugees in Bangladesh: Exploring the Risks, Vulnerabilities, Preparedness, and Challenges”	PI: Md. Fakhru Alam, Associate Professor Dept of Social Work & CI: Md. Al Amin Rabby, Associate Professor, Dept of Sociology, SUST	1 year
6.	SS/2020/1/36	SCW	Coping and resilience of COVID-19 affected people in Sylhet: An exploratory study	PI: Tulshi Kumar Das, PhD, Professor, Dept of Social Work, SUST	1 year
Session Break					
7.	SS/2020/1/37	SCW	Socioeconomic Effects of the Climate Disaster 'Cyclone Amphan' on Coastal Dwellers: A Study in the South-west Coast of Bangladesh	PI: Professor Md. Mizanur Rahman, Dept of Social Work, SUST	1 year
8.	SS/2020/1/39	SCW	Health and Safety of Construction Workers in Post COVID-19 Era: A Study in Sylhet	Professor Dr. A. K. M Mahbubuzzaman, Dept of Social Work, SUST	1 year
9.	SS/2020/1/40	SCW	Occupational Health among Service Professionals during Coronavirus Outbreak: A Study in Sylhet	PI: Professor Dr. Ismail Hossain, Dept of Social Work, SUST	1 year
10.	SS/2020/1/41	SOC	How does the perceived risk of child mortality during extreme weather events influence human fertility? A comparative study in Bangladesh	PI: Professor Dr. Shah Md. Atiqul Haque, Dept of Sociology, SUST	1 year
11.	SS/2020/1/44	SOC	Climate change induced loss and damage in the socio-ecological dynamics in the coastal area of Bangladesh	PI: Ashis Kumar Banik, Assistant Professor, Dept of Sociology & CI: Mahnaz Islam Sonia, Lecturer Dept of Sociology, SUST	1 year

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tulshikumardas@gmail.com

Technical Session – XII: For Dept. of BMB
Date: May 29, 2022 || Time: 11.00 AM – 01:00 PM
Chair: Prof. Dr Mohammad Abdullah-Al-Shoeb, Host: Prof. Dr. S M Saiful Islam
(Email: director-rc@sust.edu)

Each Presentation Time: 07.00 min. and 10.00 min. (2 & 3 years projects)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	LS/2019/2/04	BMB	Assessing drug addiction status of SUST students: implication for future academic, health and social management strategy	PI: Tanvir Hossain, Lecturer, Dept of BMB & CI: Dr. Shamim Ahmed, Associate Professor, Dept of BMB, SUST	2 year
2.	LS/2019/2/07	BMB	The co-occurrence of Down syndrome and autism: A biomarker based cross-sectional case study in Bangladesh	PI: Dr. Muhammad Abul Kalam Azad, Assistant Professor, Dept of BMB & Dr. Shaikh Mirja Nurunnabi, Assistant Professor, Dept of BMB, SUST	2 year
3.	LS/2020/1/01	BMB	Isolation and Characterization of Multi-Drug Resistant Bacteria from Patients Hospitalized in Intensive Care Unit	PI: Moshui Alam Mishu, Lecturer, Dept of BMB & Dr. Muhammad Abul Kalam Azad, Assistant Professor, Dept of BMB, SUST	1 year
4.	LS/2020/1/02	BMB	Isolation, Characterization and Identification of antibiotic producing microbes from ground samples of Sylhet division, Bangladesh	PI: Dr. Ajit Ghosh, Assistant Professor, Dept of BMB & CI: Rony Basak, Assistant Professor, Dept of GEE, SUST	1 year
5.	LS/2020/1/03	BMB	Prevalance and associated risk factors of hypertention and obesity in rura and urban woman in Bangladesh	PI: Farjana Islam, Lecturer, Dept of BMB & CI: Syeda Ayshia Akter, Associate Professor, Dept of GEE, SUST	1 year
Session Break					
6.	LS/2020/1/04	BMB	The relationship between serum xanthine oxidase activity and hypertention prevalence: a cross-sectional study in Bangladesh	PI: Dr. Md. Nurshad Ali, Assistant Professor, Dept of BMB & CI: Khandakar Atkia Fariha, Assistant Professor, Dept of BMB, SUST	1 year
7.	LS/2020/1/05	BMB	Risk Analysis between cigarette smoking and hepatitis B virus infection followed by liver cirrhosis; a prospective study in Bangladesh	PI: Md. Waseque Mia, Assistant Professor, Dept of BMB & CI: Mrs. Nujhat Nuri Sultana, Lecturer, Dept of Physis, SUST	1 year
8.	LS/2020/1/06	BMB	Study of Vitamin D and Inflammation in Diabetic Individuals	PI: Mohammad Abul Hasnat, Assistant Professor, Dept of BMB & CI: Sajib Kumar Mohonta, Lecturer, Dept of PHY, SUST	1 year
9.	LS/2020/1/07	BMB	Study The region-specific variation of Bacterial Antibiotic Resistance in Sylhet : Selection for the Appropriate antibiotics	PI: Dr. Shaikh Mirja Nurunnabi, Assistant Professor, Dept of BMB & CI: Md. Ahsanul Islam, Assistant Professor, Dept of OCG, SUST	1 year
10.	LS/2020/1/08	BMB	Retention of Antibiotic Activity Against Aminoglycoside 6'-N Acetyltransferase (AAC(6)-Ib) Harboring Resistant Bacteria by Medicinal Plant Derivatives as Antibiotic Adjuvants: A Combination of In-silico and In-vitro Study	PI: Dr. Shamim Ahmed, Associate Professor, Dept of BMB & CI: Tanvir Hossain, Lecturer, Dept of BMB, SUST	1 year

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Technical Session – XIII: Dept. of ECO & BUS
Date: May 29, 2022 || Time: 2.00 PM – 4:00 PM

Chair: Professor Dr. Mohammad Abdul Munim Joarder, Host: Prof. Dr. Md. Monirul Islam (e mail monir.cnu@gmail.com)

Each Presentation Time: 07.00 min. and 10.00 min. (2 & 3 years project)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	SS/2019/2/13	ECO	Impact of Organized and Unorganized Tourism on welfare of local people: A Study on North East Region of Bangladesh	PI: Dr. Muntaha Rakib, Associate Professor, Dept of ECO, SUST	2 year
2.	SS/2020/1/18	ECO	Socioeconomic Correlates of Depressive Symptoms and Perceived Stress in Sylhet City	PI: Md. Gias Uddin Khan, Assistant Professor, Dept of Economics & CI: Tarik Aziz, Lecturer, Dept of Economics, SUST	1 year
3.	SS/2020/1/19	ECO	The Effects of Internet Usage on Youth Behavior During COVID-19: A Case Study in Bangladesh	PI: Md. Aslam Hossain, Assistant Professor, Dept of Economics & CI: Professor Dr. Mohammad Abdul Hannan Pradhan, Dept of Economics, SUST	1 year
4.	SS/2019/2/08	BUS	Hexagon of Nation Branding: An Empirical Study on Bangladesh	PI: Professor Dr. Md. Monirul Islam, Dept of BUS, SUST	2 year
5.	BUS/2018/3/07	BUS	Longitudinal impact of micro-credit-credit on the livelihoods of clients : A study on Sunamgonj district of Bangladesh	PI: Professor Dr. Md. Nazrul Islam, Dept of BUS, SUST	3 year
6.	SS/2020/1/11	BUS	Assessment of Consumers' Awareness of Nutrition, Food Safety and Hygiene in the Life Cycle for Sustainable Development of Bangladesh: A Study on Sylhet City	PI: Professor Dr. Md. Nazrul Islam, Dept of Business Administration, SUST	1 year
Session Break					
7.	SS/2020/1/12	BUS	Interface between financial inclusion through mobile financial service and the living standard of underprivileged workers: a study on haor area of Bangladesh	PI: Sayma Sadia Shawon., Assistant Professor, Dept of Business Administration & CI: Sakufa Chowdhury, Assistant Professor, Dept of Business Administration, SUST	1 year
8.	SS/2020/1/13	BUS	Determinants of capital market development of Bangladesh: Does financial literacy matter?	PI: Dr. Mohammad Ashraful Ferdous Chowdhury, Associate Professor, Dept of Business Administration & CI: Dr. Syed Mohammad Khaled Rahman, Associate Professor, Dept of Business Administration, SUST	1 year
9.	SS/2020/1/14	BUS	An Empirical Investigation into the Impact of Covid-19 Pandemic on Foreign Remittance Beneficiaries: A study on Sylhet Region	PI: Professor Dr. Mohammad Shahidul Haque, Dept of Business Administration & CI: Md. Zillur Rahman, Assistant Professor, Dept of Business Administration, SUST	1 year
10.	SS/2020/1/15	BUS	Model of Consumers' Stockpiling Behavior in COVID-19 Situation	PI: Professor Dr. Md. Monirul Islam, Dept of Business Administration, SUST	1 year
11.	SS/2020/1/16	BUS	Impact of COVID-19 Pandemic on Customer Buying Behaviors of Modern Retailing and Advent of E-tailing in Bangladesh: An Empirical Investigation	PI: Syed Towfiq Mahmood Hasan, Associate Professor, Dept of Business Administration & Sobhana Tanzima Atiq, Assistant Professor, Dept of Business Administration, SUST	1 year

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Technical Session – XIV: Dept. of FET
Date: May 29, 2022 || Time: 2.00 PM – 4:00 PM

Chair: Professor Dr. Md. Mozammel Hoque. Host: Prof. Dr. A. Z. M Manzoor Rashid
(Email: pollen_forest@yahoo.com)

Each Presentation Time: 07.00 min. (1 year project) 10 min. (2 & 3 years projects)

Sl. No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	AS/2018/3/38 (AS/2018/2/28)	FET	Comparative analysis of organic and nano-organic tea cultivation systems in Panchagarh District of Bangladesh	PI: Professor Dr. Md. Mozammel Hoque, Dept of FET, SUST	3 year
2.	AS/2019/2/29	FET	Development of Tea Based Carbonated Soft Drinks and Study of it's Nutritive value, Physioco-chemical Constituent and Sensory Characteristics	PI: Professor Dr. Iftekhar Ahmed, Dept of FET, SUST	2 year
3.	AS/2019/2/33	FET	Assessment of chemical hazard in fruits and vegetable value chain: small holders farmers perception and practices at Sylhet region of Bangladesh	PI: Dr. G. M. Rabiul Islam, Associate Professor, Dept of FET & Professor Dr. Md. Mozammel Hoque, Dept of FET, SUST	2 year
4.	AS/2020/1/35	FET	Impact of non-thermal processing technique on physicochemical properties antioxidant activity and microbial quality of fruit juices	PI: Dr. Wahiduzzaman, Associate Professor, Dept of FET & CI: Mohammad Afzal Hossain, Assistant Professor, Dept of FET, SUST	1 year
Session Break					
5.	AS/2020/1/38	FET	Catechin, Caffein and Antioxidant activity of commercially available green tea in Bangladesh	PI: Md. Yasin, Assistant Professor, Dept of FET & CI: Mitu Samadder, Assistant Professor, Dept of FET, SUST	1 year
6.	AS/2020/1/40	FET	Study on of antibiotic resistance bacteria in representative street foods in Bangladesh and detecting Antibiotic Resistance Genes (ARG)	PI: Professor Dr. G.M Rabiul Islam, Dept of FET & CI: Professor Dr. Iftekhar Ahmed, Dept of FET, SUST	1 year
7.	AS/2020/1/41	FET	Utilization of Waste from Banana and Cauliflower for the Dietary Fiber Enrichment of Biscuits and Its Quality Attributes	PI: A. S M. Sayem, Assistant Professor, Dept of FET & CI: Md. Mohibul Alam, Associate Professor, Dept of CEP, SUST	1 year

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Technical Session– XV: For Dept of CEP
Date: May 29, 2022 || Time: 2.00 PM – 4:00 PM

Prof. Dr. Md Akhtarul Islam: Host: Prof. Dr. Tamez Uddin (Email: mtuddin-cep@sust.edu)

Each Presentation Time: 07.00 min. and 10.00 min. (2 & 3 years projects)

Sl.No.	Project ID	Dept.	Project Title	Researchers Name	Duration
1.	AS/2018/3/35	CEP	Development of heterostructure metal oxide nanoparticles for electrochemical sensor and photocatalytic degradation of organics	PI: Professor Dr. Tamez Uddin, Dept. of CEP, SUST	3 year
2.	AS/2018/3/36	CEP	Automation and control fo nitrification to enhance ammonium-nitrogen removal	PI: Professor Dr. Md. Salatul Islam Mozumder, Dept of CEP & Mohammad Shaiful Alam Amin, Dept of CEP, SUST	3 year
3.	AS/2019/2/13	CEP	Conventional plastics (Polypropylene) grafting and /or blending with polylactic acid to improve its biodegradable properties as well as application potential	PI: Md. Mohibul Alam, Associate Professor, Dept of CEP, SUST	2 year
4.	AS/2020/1/18	CEP	Adsorption study of synthetic solutions containing heavy metals using chemically modified natural cellulosic bearing polyacrylic acid and polyamide chains	PI: Myisha Ahmed Chowdhury, Lecturer, Dept of Chemical Engineering and Polymer Science & CI: Md Shafiqul Hossain, Lecturer, Dept of Chemical Engineering and Polymer Science, SUST	1 year
5.	AS/2020/1/19	CEP	Development of conductive polymers based supercapacitor	PI: Dr. Md. Mostafizur Rahman, Associate Professor, Dept of CEP & CI: Muhammad Zobayer bin Mukhlis, Associate Professor, Dept of CEP, SUST	1 year
6.	AS/2020/1/20	CEP	Improvement of polymer properties for application in refrigerator industries	PI: Md. Delowar Hossain, Lecturer, Dept of CEP & CI: Professor Dr. Md. Zakir Hossain, Dept of CEP, SUST	1 year
7.	AS/2020/1/21	CEP	Preparation of conducting polymer based composite materials for energy storage and/or photocatalytic applications	PI: Professor Dr. Mohammad Mastabur Rahman, Dept of Dept of Chemical Engineering and Polymer Science, SUST	1 year
8.	AS/2020/1/22	CEP	Gasification of non-woody biomass for synthesis gas production by fluidized bed gasifier	PI: Professor Dr. Abu Yusuf, Dept of Dept of Chemical Engineering and Polymer Science, SUST	1 year
9.	AS/2020/1/23	CEP	Investigation of initial microbial load on pulsed electric field treatment in terms of treatment efficiency and deactivation kinetics for hospital waste remediation	PI: Md. Shahadat Hossain, Assistant Professor, Dept of CEP & CI: Md. Anisur Rahman, Lecturer, Dept of CEP, SUST	1 year
10.	AS/2020/1/24	CEP	Strengthening mathematical preparation of students from chemistry-based science and engineering disciplines	PI: Professor Dr. Md. Akhtarul Islam, Dept of CEP & CI: Professor Dr. Md. Rashed Talukder, Dept of Mathematics, SUST	1 year

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