INITIAL SCREENING ROUND

Coordination Team
Water Innovation Challenge Competition (WICC)
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YouTube Channel: https://www.youtube.com/channel/UCWweOSXl-i0Rd9dlfbPVZYA

Water Innovation Challenge Competition (WICC) 2021

Category: Urban

Preliminary Shortlisted Submissions

No.	Submission ID	Submission Title	Innovator Team	From Institutions
1	14643	Smart Phone based Water meter reading	Dr. Arif Iftakher Mahmood, Assoc Professor	-Dept of EEE, University of Chittagong
2	14652	Smart Meter AMI System: Proposal of Advance Metering Infrastructure System for Residential Water Meters	Ahamed Nasif Hossain Aoyon, Manager and Business Partner	-System Engineering Ltd., Uttara. http://www.selbn.com
3	14667	Hydroquo+: Ensuring Water Security for Future Generations	Zahin Razeen, CEO & Founder	-Hydroquo.com, Banani. https://hydroquo.com
4	14674	Automated household water management system	1. Md. Nazmul Haque (Likhon) 2. Mohammad Firoj Ahmed 3. Abu Jafor Ahmedul Kabir, CEO, Tech TravellerBD	-Dept of EEE, DUET -Dept of EEE, KUET -Tech Traveller BD, Fakirapool
5	14675	AI based water management tool for urban citizens' and online billing system	1. Md. Shahriar Hasan Nihad 2. Md. Sajjad Hossain Shawon 3. Abu Anas Nasim 4. Dr. Md. Shamsul Arefin	-Dept of EEE, BUBT
6	14693	Water Distribution Solution Software	1. Hosne Anowar	-e-Trycatch Technologies Ltd. Tangail http://www.trycatchtechnologybd.com
7	14702	Citizen Water usage through sensors, Raspberry Pi, and tracking software	1. Sheikh Shaer Hassan 2. Mahabubur Rahaman 3. Md Fuadul Islam (Fuad Bin Omar) 4. Istiaq Bin Salam Siaam 5. Robiul Ahammed Sakib	-Nascenia Ltd., Lalmatia. https://nascenia.com
8	14707	DrinkWell Water Quality and Usage Tracker	1. Uzzal Saha, Sr. Systems Engineer 2. Md. Saddam Hossain Rony, Asst. Manager	-DrinkWell, Gulshan. https://drinkwellsystems.com
9	14708	Smart Metering Hub: An Integrated P2P Water Distribution Blockchain Model	1. Arch Khandokar Mahfuz Alam, Assistant Architect 2. Arch Bijoy Dash Gupta, Asst Professor	-Dept. of Archaeology, Ministry of Cultural Affairs, GoB -Dept of Architecture, PUST
10	14710	Smart Water Analysis, Recycling and Reuse System for Industrial	Rakibul Islam, Robotics and Automation systems Designer	-Dept of EEE, AIUB
11	14713	Water management by Spending less & building awareness & Monitoring water usage + spent	Arifur Rahman, Founder	-Premium Web Cart, Mohakhali https://pwcbd.org
12	14715	Blueprint for Water Consumption and Quality Monitoring System for Citizens	Md.Nazrul Islam, MD & CEO	-MIEC LAB Ltd., Mymensingh https://www.mieclab.com
13	14724	ResFlow	1. Farhan Khan, Civil Engineer 2. Rashid Anjum Adil, Architect	-Dept of Civil and Environmental Engineering, BUET -Dept of Architecture, BUET
14	14727	Aquaware	1. Sabbir Ahmed, TA 2. Mayeesha Mahzabin, Msc 3. Shahrin Shahpar, Msc 4. Surraiya Islam Tonni, Msc 5. Dr. Md. Sazzadur Rahman, Assoc Professor	-Dept of IIT, Jahangirnagar University -Dept of Information and Communication Engineering, BUP
15	14730	Water footprint in Bangladesh	Mohammad Sazzaduz Zaman	-Individual submission, Dhanmondi, Dhaka
16	14737	Neer: Automated Quality Assurance and Monitoring of Water Usage	1. Md. Toki Tahmid (Team lead) 2. K.M. Asifur Rahman 3. Mashiyat Mahjabin Prapty 4. Md. Tamimul Ehsan 5. Md. Mehrab Haque 6. Asif Haider	-Dept of CSE, BUET
17	14759	BONGO Water Monitoring System: Save Each Drop of Water For Sustainable Bangladesh	A.B.M Whaiduzzaman, CEO	-Automation Services Ltd., Gulshan-Badda Link road. https://www.automationservicesbd.com
18	14761	Smart Water Quality Monitoring and Metering System for Urban Household	1. Abir Ahmed (Team Lead) 2. Istiaque Ahamed 3. Md Tanzeem Rahat	-Faculty of Engineering, AIUB
19	14762	An Intelligent Water Resource Usage Analytics Tool to Maximize User Satisfaction while Minimizing the Resource Usage	1. Nuruzzaman Faruqui, Lecturer 2. Md. Safayet Hossain, Assoc. Professor & Head of Dept	-Dept of CSE, City University
20	14767	iSMART: IoT-based Sensing and Multiscale Analytics for wateR Tracking	1. Syeda Kamrun N Ahmed, Chairman (Team lead) 2. Dr. Nafisa Islam, Asst Professor 3. Dr. Nirupam Aich, Asst Professor 4. Nayeen Al Amin, Head of IoT and Technology 5. Zaki Alam Pushan, Student 6. Mehnaj Tabassum, Student 7. Mahdia Mahmud, Student 8. Ehsanur Rahman, Graduate Research Assistant 9. Sudipa Saha, Student	-eGeneration Solutions Ltd, Gulshan. https://egeneration.co -Department of Civil, Structural and Environmental Engineering, University at Buffalo (SUNY Buffalo) -Dept of Chemical Engineering, BUET -Dept of Computer Science & Engineering, BUET
21	14770	Citizens' Water Tool Analytics (Urban Water Footprint)	1. Dr. Abu S.M. Mohsin, Asst Professor 2. Taiyeb Hasan Sakib, Lecturer	-Dept of EEE, BRAC University
22	14773	Water management tool for urban citizens' and online billing system	1. Dr. Md. Shamsul Arefin, Asst professor 2. Md. Shahriar Hasan Nihad, Student 3. Md. Sajjad Hossain Shawon, Student 4. Abu Anas Nasim, Student 5. Arman Jahan Eva, Student 6. Shabab Jamil, Student	-Dept of EEE, BUBT

23	14774	Water Wastage Mitigation and Smart Monitoring for Public Buildings	1. Dr. Ifte Khairul Amin, Head of the Department 2. Md. Nahid Islama, Student 3. Md. Kabir Hasana, Student 4. Azam Jamana, Student 5. Md. Mahfuzur Rahman Chy, Student 6. Quazi Sarwar Muhtaseema, Student 7. Md. Salim Shahed Shajid, Student	-Team_SUST_EEE, Dept of EEE, SUST
24	14777	AquaTa	1. Omar Sadab Chowdhury, Water Treatment Research & Development Assocciate 2. Abul Hasnat, Asst Professor 3. Abir Ahmed, Lecturer 4. Salman Abedin, Web Developer 5. Hafiz Ahmed, Financial Analyst	-Water Science Technology and Policy Group, University of Waterloo -Dept of Civil Engineering, AIUB -Dept of Computer Engineering, AIUB -YY Ventures, Grameen Telecom Bhaban, Mirpur. https://yy.ventures -M/S Nazmul & Sons Steel, Khulna
25	14778	Patriot: A Portable, Adaptive and Trustworthy IoT solution for monitoring urban water footprint	1. Russel Mahmud, CEO, IoTixLab 2. MD Badsha Molla, COO, IoTixLab 3. G. M. Rakibul Kabir, IoTixLab 4. Muhammad Ali Nayeem, Asst Professor	-IoTixLab, Mohammadpur. https://iotixlab.com -Dept of CSE, BUET
26	14781	Water Guard: Household IoT based Water management system	1. Md Farid Hossain (Team lead) 2. Md Rony Hosen, PCB and 3D Designer 3. Iqbal Mahmud, Hardware & firmware developer	-United International University (UIU)
27	14784	SWIMS: Smart Water Intelligent Monitoring Systems	Shahriar Ahmed Chowdhury, Director	-Centre for Energy Research (CER), UIU https://cer.uiu.ac.bd
28	14785	Water Metering & Quality Measurement Ecosystem	1. Ashiqur Tamim, Strategy & Business operations 2. Md Sirajul Alam Khan, R&D & Hardware Engineering	-THiNK, Uttara. https://www.thinkgroup.com.bd
29	14789	Healthy Life With Drinkable & Usable Water the Smart Approach	1. Md. Hasibul Hasan, Student 2. Moshiur Rahman Sarder, Student 3. Atikur Rahman, Student 4. Zahida Rahman, Student 5. Mehedi Hasan Abir, Student	-United International University (UIU)
30	14793	Citizens' Water Tool Analytics and Peer-to-Peer Comparison Platform	Naahi Mumtaj Rihan, Student	-Dept of EEE, BRAC University
31	14802	WaterTrack	Saif Ahmed Quarishi, Embedded Systems Applications Engineer	-Exact Engineering Solutions Ltd. (EXENSO) Incubation Center, Tools Technologies Institute. https://exenso.ltd

Water Innovation Challenge Competition (WICC) 2021

Category: Industry

Preliminary Shortlisted Submissions

No.	Submission ID	Submission Title	Innovator Team	From Institutions
1	14661	Water Footprint Monitoring System by EasySense	1. Md. Rohan Kamal, Founder & COO 2. Md. Rafat Hossain, Co-founder & CTO 3. Mithun K. Das, CHO 4. Sumit Chandra, Mechanical Engineer	-EasySense, Banasree. https://www.easysense.xyz
2	14673	Smart Water Tracker	1. Abu Jafor Ahmedul Kabir, CEO 2. Abu Salman Shaikat, Lecturer 3. Md. Nazmul Haque, Bsc 4. Md. Abdullah Al-Amin, Mechatronics Engineer	-Tech TravellerBD, Chuadanga. -Dept of Mechatronics Engineering, World University of Bangladesh -Dept of EEE, DUET
3	14677	Online Water Management & its Reuse	Ilias Ahmed Sami, Entrepreneur, Blogger, Freelancer	-Individual submission, Dhaka
4	14679	Water Usage monitoring in Industries and its reusability (IoT)	Pritthi Raj Ray, QA Analyst	-Individual submission, Panchagarh
5	14714	Water metering system and waste water treatment	1. Binita chowdhury	-Hajee Mohammad Danesh Science and Technology University
6	14723	IndustrialFlow	1. Farhan Khan, Civil Engineer 2. Rashid Anjum Adil, Architect	-Dept of Civil and Environmental Engineering, BUET -Dept of Architecture, BUET
7	14733	ABIRVAB: IoT Water Accounting System	1. Mowaz Mohammed Abdul Karim, Student 2. Tirtha Karmaker, Student 3. Mahmudul Haque Tomal, Student	-Dept of Civil and Environmental Engineering, SUST
8	14764	SIPHON: A WebGIS based online water accounting system.	M H M Mazadur Rahman, Managing Director	-Amar Source, Dhanmondi. www.amarsource.com
9	14765	Smart Industrial Water Management System: An Approach towards Industrial Revolution 4.0	1. Kaushik Ahmed, Student 2. Mayeen Uddin Emon, Student 3. Md Yeasib Bin Hassan, Student 4. Md Shamim Hossen, Student	-Dept of EEE, AIUB
10	14766	IoT Based Smart Water Pollution Monitoring System	1. Abdullah Al Araf, 2. Rahat Uddin, 3. Rezaul Khan, 4. Zubayer Al Billal Khan (Mentor)	-IoT & Robotics Research Lab, IDEB https://www.facebook.com/idebict
11	14768	iSMART: IoT-based Sensing and Multiscale Analytics for wateR Tracking, solution for a textile industry	1. Syeda Kamrun N Ahmed, Chairman (Team lead) 2. Dr. Nafisa Islam, Asst Professor 3. Dr. Nirupam Aich, Asst Professor 4. Nayeen Al Amin, Head of IoT and Technology 5. Zaki Alam Pushan, Student 6. Mehnaj Tabassum, Student 7. Mahdia Mahmud, Student 8. Ehsanur Rahman, Graduate Research Assistant 9. Sudipa Saha, Student	-eGeneration Solutions Ltd., Gulshan. https://egeneration.co -Dept of Civil, Structural and Environmental Engineering, University at Buffalo (SUNY Buffalo) -Dept of Chemical Engineering, BUET -Dept of Computer Science & Engineering, BUET
12	14771	Industry Water Accounting (Industry Water Footprint)	1. Dr. Abu S.M. Mohsin, Asst Professor 2. Taiyeb Hasan Sakib, Lecturer	-Dept of EEE, BRAC University
13	14772	Online Tracking Platform for Monitoring Industrial Water Use, Reuse and Recycle	1. Dr. Md. Shamsul Arefin, Asst professor 2. Md. Sajjad Hossain Shawon, Student 3. Md. Shahriar Hasan Nihad, Student	-Bangladesh University of Business and Technology (BUBT)

14	14775	Digital Water: IOT based Tracking of Industrial Waste Water Quality Using Machine Learning Technology	1. Dr. Mohammad Rashedul Hoque 2. Dr. Saad Hasan 3. Mr. Shovan Samaddar 4. Dr. M. Tanseer Ali	-Nodes Digital Ltd., Banani. https://nodesdigitalbd.com
15	14780	WQM = Water Quality Monitoring Device	Jahidul Islam Rahat	-Daffodil International University (DIU)
16	14783	Water Metering System	1. Julfikar Rahman Tuhin 2. Faria Tasnuva	-BBA, North South University (NSU) -Environmental Science, North South University (NSU)
17	14786	Clean Environment with Clean Industry the smart approach	1. Md. Nizam Uddin 2. Rahimuijaman Choudhury 3. Ahsan Rafiq 4. Md. Ashiqur Rahman	-Dept. of EEE, UIU
18	14794	AInWaTec: Artificial Intelligent Supported Innovative Water Technology	Dr. Shamim Ahmed Deowan, Asst professor & Chairman	-Dept of Robotics and Mechatronics Engineering, University of Dhaka

Submissions: Both Urban & Industry				
No.	**Submission ID**	**Submission Title**	**Innovator Team**	**From Institutions**
1	14763	Innovation for Industrial and Residential Water Footprint with Sustainable Environment	1. Md. Mosheur Rahman, Senior Coordinator Officer (SCO) & Disaster Focal Point, (Team Lead) 2. Md. Abu Shahen, Research Associate 3. Iffat Jahan Mouli, Management Trainee (Planning) 4. Md. Abidur Rahman, Management Trainee (Planning)	-Eco-Social Development Organization (ESDO) https://esdo.net.bd
2	14782	PANI: A Powerful Automated Nimble and Intelligent water usage and analytics tool	1. Md. Mahmud Muntakim Khan, Chief Engineer, Samsung R&D Institute, Bangladesh 2. A H M Rezwanul Islam, General Manager, Strategy and Business Planning, Robi 3. Md Anik Alam, PhD, Senior Scientist, Pfizer, USA 4. ATM Sayfuddin, PhD, Assistant Professor of Economics & Business, Randolph College, USA	
3	14803	IoT Based Autonomous Multi-Parametric Sensing System for Managing and Monitoring Water Resource	1. Dr. Md. Kabiruzzaman, Asst Professor 2. Dr. Ferdous Jahan Shaun, Asst Professor 3. Sazzad Hossain, Asst Professor	-Faculty of Engineering, AIUB -Faculty of Science and Technology, AIUB

Different Steps of the Competition Phase and Phases afterwards:

PHASE ONE:
SUBMISSION ROUND: Ended with nearly 150 submission entries against 2 problem statements in site challenge.gov.bd.
INITIAL SCREENING ROUND: Submissions were selected based on degree of relevance and potentiality.

What's Next:
SECONDARY SCREENING: Will be done based on Relevance, Thoroughness of submissions, Team strength. Basic submissions will be screened out.
GROOMING SESSION: Selected teams from secondary screening will be guided by experts to prepare for final presentation in front of judges.
JUDGING PANEL: Judges will select finalists of WICC 2021. One for each problem statement.
AWARDING: Winning teams will be awarded from esteemed guests in a ceremony.

TIME LINE: We are planning to do the awarding ceremony by October.

PHASE TWO: Selected teams will sign agreements with a2i for prototype and piloting phase. Teams will get Financial and Technical support from WICC partners.

PHASE THREE: After successful piloting, teams may go for commercial production for real life implementation with support from relevant Govt agencies.

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