

Seminar on Research Project: Program Schedule

26 June, 2021 (Saturday)

9.30 AM -10.00 AM	Inaugural Ceremony
	09:30 AM : Chair, guests, and participants take their seats
	09:35 AM : Welcome Speech by the Director, Research & Extension, RUET
	09:38 AM : Speech of Registrar (In-Charge), RUET
	09:41 AM : Speech of Dean, Faculty of ASH, RUET
	09:44 AM : Speech of Dean, Faculty of ME, RUET
	09:47AM : Speech of Dean, Faculty of ECE, RUET
	10:50 AM : Speech of Dean, Faculty of CE, RUET
	09:53 AM : Speech of Chief Guest
09:58 AM : Vote of thanks by the Deputy Director, Research & Extension, RUET	

Refreshment and Tea Break (10:00 AM-10:20 AM)

Progress Session-I		Time: 10:20 AM – 11:40 AM
Venue: Virtual Conference Room, 2 nd Floor, Academic Building-1, RUET		
Session Chair: Prof. Dr. Md. Nazrul Islam Mondal , Dean, Faculty of ECE, RUET		
ডিআরই/৭/রয়েট/৪৮৯(৩১)/৫/২০২০-২১/০১	Design and Implementation of Digitalized Spin-coating System for fabricating ZnO thin film Deposition	<i>Prof. Dr. Md. Faruk Hossain, Dept. of EEE, RUET.</i>
Time: 10:20 AM-10:30 AM		
ডিআরই/৭/রয়েট/৪৮৯(৩১)/৫/২০২০-২১/০২	IoT and Remote Control Based Aerial Surveillance of RUET using Quadcopter/Drone	<i>Md. Tarek Hossein, Assistant Professor, Dept of EEE, RUET.</i>
Time: 10:30 AM-10:40 AM		
ডিআরই/৭/রয়েট/৪৮৯(৩১)/৫/২০২০-২১/০৩	IoT Based Voice-Operated Personal Assistant (Robot)	<i>Md. Firoz Mahmud, Lecturer, Dept. of EEE, RUET.</i>
Time: 10:40 AM-10:50 AM		
ডিআরই/৭/রয়েট/৪৮৯(৩১)/৫/২০২০-২১/০৪	Energy Management System Based Nonlinear Control Scheme for Hybrid Energy Storage Systems	<i>Subarto Kumar Ghosh, Assistant Professor, Dept of EEE, RUET.</i>
Time:10:50 AM-11:00 AM		
ডিআরই/৭/রয়েট/৪৮৯(৩১)/৫/২০২০-২১/০৫	Design and implementation of new multi pulse diode rectifiers for harmonics mitigation	<i>Md. Abdul Malek, Lecturer, Dept. of EEE, RUET.</i>
Time: 11:00 AM-11:10 AM		
ডিআরই/৭/রয়েট/৪৮৯(৩১)/৫/২০২০-২১/০৬	Advances of cardiac state-inducing prototype and working competence from cardiac signal	<i>Kusum Tara, Assistant Professor, Dept of EEE, RUET.</i>
Time: 11:10 AM-11:20 AM		
ডিআরই/৭/রয়েট/৪৮৯(৩১)/৫/২০২০-২১/০৭	Low Cost Emergency Medical Ventilator	<i>Prof. Dr Md. Masud Rana, Dept. of EEE, RUET.</i>
Time: 11:20 AM-11:30 AM		
ডিআরই/৭/রয়েট/৪৮৯(৩১)/৫/২০২০-২১/০৮	Side-Mode Suppressed Optoelectronic Oscillator Using Optical Coupling	<i>Dr. G.K. M. Hasanuzzaman, Assistant Professor, Dept of EEE, RUET.</i>
Time: 11:30 AM-11:40 AM		

Refreshment and Tea Break (11:40 AM-12:00 PM)

Progress Session-II		Time: 12:00 PM – 13:10 PM
Venue: Virtual Conference Room, 2 nd Floor, Academic Building-1, RUET		
Session Chair: Prof. Dr. NHM Kamruzzaman Sarkar, Dean, Faculty of CE, RUET		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২১	Designing and performance testing of a laboratory scale Iron removal system for RUET deep pumping water <i>Prof. Dr. Abu Sufian Md. Zia Hasan, Dept. of CE, RUET</i>	
Time: 12:00 PM-12:10 PM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২২	Strengthening of Reinforced Concrete and Steel Structural members using Fiber Reinforced Polymer (FRP) <i>Prof. Dr. S.M. Zahurul Islam, Dept. of CE, RUET</i>	
Time: 12:10 PM-12:20 PM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২৩	Impact of meteorological parameters on crop water requirements in Barind Area, Rajshahi <i>Dr. Md. Jahangir Alam, Assistant Professor, Dept. of CE, RUET</i>	
Time: 12:20 PM-12:30 PM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২৪	An Application of the participatory Approach to Develop an Integrated Water Resource Management (IWRM) System for the Drought-Affected Region of Bangladesh <i>Muhaimunul Islam, Lecturer, Dept. of URP, RUET</i>	
Time: 12:30 PM-12:40 PM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২৫	Building Drought Resilient Settlements Towards Secured Livelihoods in Farming Communities of Briand Tract <i>Md. Sakib Zubayer, Assistant Professor, Dept. of URP, RUET</i>	
Time: 12:40 PM-12:50 PM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২৬	Designing urban Amenities to control the transmission of infectious diseases in the city scale <i>Ferdous Farhana Huq, Assistant. Professor, Dept. of URP, RUET</i>	
Time: 12:50 PM-13:00 PM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২৮	A new differential transform method for handling linear and nonlinear problems <i>Prof. Dr. Mohammad Kamrul Hasan, Dept. of Math, RUET</i>	
Time: 13:00 PM-13:10 PM		

Lunch and Prayer Break (13:10 PM -15:00 PM)

Progress Session-III		Time: 15:00 PM – 16:20 PM
Venue: Virtual Conference Room, 2 nd Floor, Academic Building-1, RUET		
Session Chair: Prof. Dr. Md. Emdadul Hoque, Dean, Faculty of ME, RUET		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/০৯	Design and Analysis of Novel Hollow Core Antiresonant Fibers for Communication Application <i>Dr. Abdul Khaleque, Associate Professor, Dept. of EEE, RUET.</i>	
Time: 15:00 PM-15:10 AM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/১০	Prediction of the dengue incidence in Bangladesh using Machine Learning Algorithm <i>Prof. Dr. Md. Al Mamun, Dept. of CSE, RUET</i>	
Time: 15:10 PM-15:20 PM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/১১	Designing an evolutionary based approach for mining high quality fuzzy association rules <i>Prof. Dr. Mir Md. Jahangir Kabir, Dept. of CSE, RUET</i>	
Time: 15:20 PM-15:30 PM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/১২	Deep Convolution Neural Network Based Medical Images Segmentation <i>Md. Farukuzzaman Faruk, Lecturer, Dept. of CSE, RUET</i>	
Time: 15:30 PM-15:40 PM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২৯	Effect of Ga doping on Structure, Morphology, Optical, Electrical and Photoluminescence Properties of CdO Thin film Prepared by Spray Pyrolysis Technique <i>Md. Humayan Kabir, Lecturer, Dept. of GCE, RUET.</i>	
Time: 15:40 PM-15:50 PM		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/প্র/২০২০-২১/৩০	Synthesis of efficient adsorbent core-shell super-paramagnetic Fe ₃ O ₄ -SiO ₂ nano-composite via Co-precipitation method to remove heavy metals from wastewater <i>Shamima Akter Urmi, Lecturer, Dept. of GCE, RUET</i>	
Time: 15:50 PM-16:00 PM		

ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/৩১	Fabrication of Giant permittivity Calcium Copper Titanate (CaCu₃Ti₄O₁₂ /CCTO) via Reaction Sintering Route & Investigation of its Structural, Electrical and Optical properties <i>Md. Khairul Islam, Lecturer, Dept. of GCE, RUET</i>
Time: 16:00 PM-16:10 PM	
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২৭	Development of a hybrid solar PV and pyro-oil generator based water pumping system for irrigation and community drinking water supplies in Baring tract and off-grid areas <i>Prof. Dr. Mohammad Rofiqul Islam, Dept. of ME, RUET</i>
Time: 16:10 PM-16:20 PM	

Refreshment and Tea Break (16:20 PM -16:30 PM)

Progress Session-IV		Time: 16:30 PM – 17:50 PM
Venue: Virtual Conference Room, 2 nd Floor, Academic Building-1, RUET		
Session Chair: Prof. Dr. Md. Shamim Anower, Head, Dept. of ECE, RUET		
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/১৩	New Robust Nonlinear Adaptive Controllers Design for Mitigating SSR effects in Grid-Connected DFIG-Based Wind Farms <i>Dr. Tushar Kanti Roy, Assistant Professor, Dept. of ETE, RUET</i>	
Time: 16:30 PM-16:40 PM		
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/১৪	The Design and Evaluation of a Novel Low-Cost Portable Ventilator <i>A.S.M Badrudduza, Assistant. Professor, Dept. of ETE, RUET</i>	
Time: 16:40 PM-16:50 PM		
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/১৫	The Design and Implementation of Artificial Intelligence (AI) based Smart Notice Board <i>Md. Rakib Hossain, Lecturer, Dept. of ETE, RUET</i>	
Time: 16:50 PM-17:00 PM		
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/১৬	A project to investigate on the development of a sliding mode controller for constant power loads in microgrid <i>Farzana Akter, Lecturer, Dept. of ETE, RUET</i>	
Time: 17:00 PM-17:10 PM		
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/১৭	A Machine Learning Approach for Human Identification using Gait Feature <i>Sagor Chandro Bakchy, Assistant Professor, Dept. of ECE, RUET</i>	
Time: 17:10 PM-17:20 PM		
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/১৮	Robust Control of Grid Connected Synchronous Generator <i>Fariya Tabassum, Lecturer, Dept. of ECE, RUET</i>	
Time: 17:20 PM-17:30 PM		
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/১৯	Design of Nonlinear Controller for Wind Turbine System <i>Md. Abu Hanif Pramanik, Lecturer, Dept. of ECE, RUET</i>	
Time: 17:30 PM-17:40 PM		
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২০	Diabetic Retinopathy Detection Using Deep Learning Approach <i>Md. Robiul Islam, Lecturer, Dept. of ECE, RUET</i>	
Time: 17:40 PM-17:50 PM		

Refreshment and Prayer Break (17:50 PM-18:10 PM)

26 June, 2021 (Saturday)

18.10 PM -19.00 PM	Closing Ceremony
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26 June 2021 (Saturday) : Refreshment & Dinner (19:00 PM)