

# Seminar on Project Progress: Program Schedule

## 14 February, 2021 (Sunday)

<b>9.30 AM -10.00 AM</b>	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)

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

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

<b>Progress Session-II</b>		<b>Time: 12:00 PM – 13:20 PM</b>
Venue: Virtual Conference Room, 2 <sup>nd</sup> Floor, Academic Building-1, RUET		
Session Chair: Prof. Dr. Md. Masud Rana, Dept. of EEE, RUET		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/০৯	Design and Analysis of Novel Hollow Core Antiresonant Fibers for Communication Application <i>Dr. Abdul Khaleque, Associate Professor, Dept. of EEE, RUET.</i>	
<b>Time: 12:00 PM-12:10 AM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/১০	Prediction of the dengue incidence in Bangladesh using Machine Learning Algorithm <i>Prof. Dr. Md. Al Mamun, Dept. of CSE, RUET</i>	
<b>Time: 12:10 PM-12:20 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/১১	Designing an evolutionary based approach for mining high quality fuzzy association rules <i>Prof. Dr. Mir Md. Jahangir Kabir, Dept. of CSE, RUET</i>	
<b>Time: 12:20 PM-12:30 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/১২	Deep Convolution Neural Network Based Medical Images Segmentation <i>Md. Farukuzzaman Faruk, Lecturer, Dept. of CSE, RUET</i>	
<b>Time: 12:30 PM-12:40 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/১৩	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>	
<b>Time: 12:40 PM-12:50 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/১৪	The Design and Evaluation of a Novel Low-Cost Portable Ventilator <i>A.S.M Badrudduza, Assistant. Professor, Dept. of ETE, RUET</i>	
<b>Time: 12:50 PM-13:00 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/১৫	The Design and Implementation of Artificial Intelligence (AI) based Smart Notice Board <i>Md. Rakib Hossain, Lecturer, Dept. of ETE, RUET</i>	
<b>Time: 13:00 PM-13:10 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/১৬	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>	
<b>Time: 13:10 PM-13:20 PM</b>		

**Lunch and Prayer Break (13:20 PM -14:40 PM)**

<b>Progress Session-III</b>		<b>Time: 14:40 PM – 16:00 PM</b>
Venue: Virtual Conference Room, 2 <sup>nd</sup> Floor, Academic Building-1, RUET		
Session Chair: Prof. Dr. Md. Faruk Hossain, Dept. of EEE, RUET		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/১৭	A Machine Learning Approach for Human Identification using Gait Feature <i>Sagor Chandro Bakchy, Assistant Professor, Dept. of ECE, RUET</i>	
<b>Time: 14:40 PM-14:50 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/১৮	Robust Control of Grid Connected Synchronous Generator <i>Fariya Tabassum, Lecturer, Dept. of ECE, RUET</i>	
<b>Time: 14:50 PM-15:00 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/১৯	Design of Nonlinear Controller for Wind Turbine System <i>Md. Abu Hanif Pramanik, Lecturer, Dept. of ECE, RUET</i>	
<b>Time: 15:00 PM-15:10 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/২০	Diabetic Retinopathy Detection Using Deep Learning Approach <i>Md. Robiul Islam, Lecturer, Dept. Of ECE, RUET</i>	
<b>Time: 15:10 PM-15:20 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/২১	A new differential transform method for handling linear and nonlinear problems <i>Prof. Dr. Mohammad Kamrul Hasan, Dept. Of Math, RUET</i>	
<b>Time: 15:20 PM-15:30 PM</b>		
ডিআরই/৭/কয়েট/৪৮৯(৩১)/৫/২০২০-২১/২২	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>	
<b>Time: 15:30 PM-15:40 PM</b>		

ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/৩০	Synthesis of efficient adsorbent core-shell super-paramagnetic Fe <sub>3</sub> O <sub>4</sub> -SiO <sub>2</sub> nano-composite via Co-precipitation method to remove heavy metals from wastewater <i>Shamima Akter Urmi, Lecturer, Dept. Of GCE, RUET</i>
<b>Time: 15:40 PM-15:50 PM</b>	
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/৩১	Fabrication of Giant permittivity Calcium Copper Titanate (CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /CCTO) via Reaction Sintering Route & Investigation of its Structural, Electrical and Optical properties <i>Md. Khairul Islam, Lecturer, Dept. Of GCE, RUET</i>
<b>Time: 15:50 PM-16:00 PM</b>	

### Refreshment and Tea Break (16:00 PM -16:20 PM)

<b>Progress Session-IV</b>		<b>Time: 16:20 PM – 17:30 PM</b>
Venue: Virtual Conference Room, 2 <sup>nd</sup> Floor, Academic Building-1, RUET		
Session Chair: Prof. Dr. Md. Kamruzzaman, Dept. of CE, RUET		
ডিআরই/৭/রুয়েট/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>	
<b>Time: 16:20 PM-16:30 PM</b>		
ডিআরই/৭/রুয়েট/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>	
<b>Time: 16:30 PM-16:40 PM</b>		
ডিআরই/৭/রুয়েট/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>	
<b>Time: 16:40 PM-16:50 PM</b>		
ডিআরই/৭/রুয়েট/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>	
<b>Time: 16:50 PM-17:00 PM</b>		
ডিআরই/৭/রুয়েট/৪৮৯(৩১)/প্র/২০২০-২১/২৫	Building Drought Resilient Settlements Towards Secured Livelihoods in Farming Communities of Briand Tract <i>Md. Sakib Zubayer, Assistant Prof., Dept. Of URP, RUET</i>	
<b>Time: 17:00 PM-17:10 PM</b>		
ডিআরই/৭/রুয়েট/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>	
<b>Time: 17:10 PM-17:20 PM</b>		
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>	
<b>Time: 17:20 PM-17:30 PM</b>		

### Refreshment and Prayer Break (17:30 PM-18:10 PM)

**14 February, 2021 (Sunday)**

<b>18.10 PM -19.00 PM</b>	<b>Closing Ceremony</b>
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**14 February 2021 (Sunday) Prayer, Refreshment & Dinner Night (19:00 PM)**