

**GOVT. ENGINEERING COLLEGE BANSWARA**  
**APGRES-2019**  
**PROGRAM SCHEDULE**

<b>Time</b>		<b>11th Feb. 2019</b>	<b>Venue</b>
10:00 am - 11:00 am		Registration & Breakfast	
11:30 am - 12:30 pm		Opening Ceremony (APGRES 2019)	
12:30 pm - 01:00 pm		Key Note: Design Development and analysis of Solar Fresnel Collector	Smart Classroom 1
01:00 pm - 02:00 pm		Lunch Break	
02:00 pm - 03:45 pm	Session 1	Wind Energy, (Session Chair: Dr. Arnab Sarkar; Dr. Navneet Kumar)	
02:00 pm - 02:30 pm		Talk - 1: Wind Power Meteorology: Wind Data Modeling for Wind Resources Assessment	Smart Classroom 1
02:30 pm - 02:45 pm	60	A study and design construction of vertical axis wind turbine (VAWT) to operate on wind energy	Smart Classroom 1
02:45 pm - 03:00 pm	13	Design & Performance Prediction Of Integrated Vertical Axis Wind Turbine	Smart Classroom 1
03:00 pm - 03:15 pm	14	Modelling of PMSG Driven By Variable Speed Wind Turbine with Grid Synchronization Control	Smart Classroom 1
03:15 pm - 03:30 pm	40	Impact of Grid connected wind power on frequency regulation in restructured power system	Smart Classroom 1
03:30 pm - 03:45 pm	22	TRNSYS Simulation of an Evacuated Tube Solar Collector and Parabolic Trough Solar Collector for Hot Climate of Ahmedabad	Smart Classroom 1
02:00 pm - 03:45 pm	Session 2	Energy management, Grid interfacing issues for renewable energy sources (Session Chair: Dr. D. K. Palwalia; Dr. Mithilesh Kumar)	
02:00 pm - 02:30 pm		Talk - 2: Power Quality: Issues and Challenges	Smart Classroom 3

02:30 pm - 02:45 pm	43	Energy Savings in belt driven fan or blower by modifying direct driven and variable frequency drive	Smart Classroom 3
02:45 pm - 03:00 pm	12	Renewable Resources Power Management and Grid Synchronization	Smart Classroom 3
03:00 pm - 03:15 pm	7	Hybrid system of photovoltaic-battery-Super capacitor and control for isolated DC load	Smart Classroom 3
03:15 pm - 03:30 pm	10	High Voltage DC Transmission with Power Synchronization Control using VSC	Smart Classroom 3
03:30 pm - 03:45 pm	11	Modelling and Analysis of Grid connected Three Phase Photovoltaic Inverter	Smart Classroom 3
<b>03:45 pm - 04:00 pm</b>		<b>Tea Break</b>	
<b>04:00 pm - 05:30 pm</b>	<b>Session 3</b>	<b>Energy sources and efficiency, Solar thermal conversion technology (Session Chair - Dr. Hitesh Bhargav; Dr. Harender Sinhmar)</b>	
04:00 pm - 04:30 pm		<b>Talk - 3: Solar Adsorption Refrigeration System</b>	Smart Classroom 3
04:30 pm - 04:45 pm	41	A Review on Solar Adsorption Chiller using Silica gel-water mixtures	Smart Classroom 3
04:45 pm - 05:00 pm	69	Biomass Energy is Sustainable Solution for Pollution in Delhi	Smart Classroom 3
05:00 pm - 05:15 pm	73	Effect of Preheating the Cotton Seed Biodiesel (BCO) on the Performance of Diesel Engine	Smart Classroom 3
05:15 pm - 05:30 pm	76	Thermoelectric based solar powered refrigeration system	Smart Classroom 3
<b>04:00 pm - 05:30 pm</b>	<b>Session 4</b>	<b>Energy sources and efficiency (Session Chair - Dr. Biplab Paul, Dr. Jignesh Patel)</b>	
04:00 pm - 04:30 pm		<b>Talk - 4: Reforms and technological advancements in the energy sector since independence</b>	Smart Classroom 1
04:30 pm - 04:45 pm	80	CFD Modeling And Experimental Studies For The Flow Of Two Phase In Pipelines: A Comprehensive Review	Smart Classroom 1
04:45 pm - 05:00 pm	78	Analysis and Simulation of Gas turbine Systems	Smart Classroom 1

05:00 pm - 05:15 pm	38	Energy Efficient and Sustainable Design and Development of Muffle Furnace for Melting Alloys	Smart Classroom 1
05:15 pm - 05:30 pm	71	Experimental Analysis Of Different Types Of Gas Fired Water Heater	Smart Classroom 1
07:00 - 08:30 pm		<b>Cultural Night (Performance by students of GEC Banswara)</b>	
08:30 pm - 09:30 pm		<b>Conference Dinner</b>	
<b>Time</b>		<b>12th Feb. 2019</b>	
<b>08:30 am - 09:00 am</b>		<b>Breakfast</b>	
<b>09:00 am - 10:45 am</b>	<b>Session 4</b>	<b>Energy management, Power electronics for renewable energy sources (Session Chair: Dr. Mithilesh Kumar; Dr. D. K. Palwalia)</b>	
09:00 am - 09:30 am		<b>Talk 1: Recent trends in RF Technologies.</b>	Smart Classroom 3
09:30 am - 09:45 am	15	Power Quality Improvement of Distribution System using D-STATCOM	Smart Classroom 3
09:45 am - 10:00 am	16	Modelling And Control Of PMSM Drive By Field Oriented Control For HEV.	Smart Classroom 3
10:00 am - 10:15 am	21	Variable frequency Drive	Smart Classroom 3
10:15 am - 10:30 am	37	Analysis of fault location in transmission line with and without TCSC	Smart Classroom 3
10:30 am - 10:45 am	4	Transient stability improvement using STATCOM	Smart Classroom 3
10:45 am - 11:00 am	90	Smart Energy Systems For Industry 4.0	Smart Classroom 3
<b>09:00 am - 11:00 am</b>	<b>Session 2</b>	<b>e-Presentation - Waste to energy, Bio energy harnessing technologies, Solar photovoltaic technology (Session Chair - Dr. Prashant Baredar; Dr. Veeresh Fuskele)</b>	
09:00 am - 09:30 am		<b>Talk 2: Energy generation from waste utilization</b>	Smart Classroom 1

09:30 am - 09:45 am	57	Municipal Solid Waste in combination with coal as Alternative Fuel for Cement Plant: Energy Feasibility Analysis	Smart Classroom 1
09:45 am - 10:00 am	62	Performance and Emission Characteristics of Producer Gas Operated Dual-Fuel Diesel Engine with Cooling Cleaning System	Smart Classroom 1
10:00 am - 10:15 am	55	Simulation of Incremental Conduction Based Maximum Power Point Tracking for Photovoltaic System Using Particle Swarm Optimization with Ant Colony Optimization	Smart Classroom 1
10:15 am - 10:30 am	59	Experimental investigation of Compression ratio and Fuel injection strategies on Single cylinder DI Diesel Engine operated with FOME Biodiesel	Smart Classroom 1
10:30 am - 10:45 am	35	Synthesis and Characterization of TiO <sub>2</sub> Nanoparticles for Solar cell Applications	Smart Classroom 1
10:45 am - 11:00 am	64	Effect of milling time and particle concentration on stability, thermal conductivity and viscosity of water-based Silicon Carbide nanofluids	Smart Classroom 1
<b>11:00 am - 11:15 am</b>		<b>Tea Break</b>	
<b>11:15 am - 01:45 pm</b>	<b>Session 3</b>	<b>Nano materials for energy conversion and storage, Nanofluids in renewable energy systems, Bio energy harnessing technologies (Session Chair - Dr. Arivzhagan M.; Dr. Hitesh Panchal)</b>	
11:15 am - 11:45 am		<b>Talk 3: Advancement of Solar Energy using Nanofluids</b>	Smart Classroom 1
11:45 am - 12:00 noon	72	Characterization of TiO <sub>2</sub> Metal Oxides Nanoparticle synthesized using Plant extracts and Fabrication of 'Solar Cell' using ITO glass, TiO <sub>2</sub> , Ruthenium, Graphite and Potassium Iodide.	Smart Classroom 1
12:00 noon - 12:15 pm	81	Time Response Analysis of Bulk and Nano Li <sub>2</sub> TiO <sub>3</sub>	Smart Classroom 1
12:15 pm - 12:30 pm	79	A review on nanofluids for solar collectors application	Smart Classroom 1
12:30 pm - 12:45 pm	58	Thermo-hydraulic analysis of Helical Screw Twist Tape with CuO/Water Nanofluid	Smart Classroom 1
12:45 pm - 01:00 pm	28	Rice Husk Ash as a Potential Source of Silicon and its Varied Applications	Smart Classroom 1
01:00 pm - 01:15 pm	17	A Review On Comparison Of Biogas Production From Parthenium Hysterophorus With Different Manure	Smart Classroom 1
01:15 pm - 01:30 pm	18	A review on performance of biogas stove from different design of burner	Smart Classroom 1

01:30 pm - 01:45 pm	89	The Purview for Extraction & Economic Suitability of Biofuel by Water Hyacinth (Eicchornia crassipes) in Rajasthan state in India	Smart Classroom 1
<b>11:15 am - 01:45 pm</b>	<b>Session 1</b>	<b>Geothermal, Tidal &amp; OTEC for power generation, Energy and Smart Buildings, Solar desalination, Renewable Energy for 5G Networks, Smart Energy Systems for Industry 4.0 (Session Chair - Dr. Srinivasan Chandrasekaran; Dr. R. M. Sarviya)</b>	
11:15 am - 11:45 am		<b>Talk 4: Design and development of wave energy converters</b>	Smart Classroom 3
11:45 am - 12:00 noon	31	Optimization of Energy Efficiency of Educational Building Using Green Building Rating System and Cost Analysis Approach	Smart Classroom 3
12:00 noon - 12:15 pm	42	Performance Analysis of Sand Stones and Marbles pieces as Thermal Storage Materials in Solar Still	Smart Classroom 3
12:15 pm - 12:30 pm	48	Comparative Experimental Study Of Single Slope Single Basin Solar Still	Smart Classroom 3
12:30 pm - 12:45 pm	51	A Use of Various Phase Change Materials on Performance of Solar Still: A Review	Smart Classroom 3
12:45 pm - 01:00 pm	19	5G Green Communication: A review report	Smart Classroom 3
01:00 pm - 01:15 pm	24	A review on Challenges and Expected Solutions for Green Communication	Smart Classroom 3
01:15 pm - 01:30 pm	65	Experimental Investigation On Natural Fibers Composite For Sustainable Development	Smart Classroom 3
01:30 pm - 01:45 pm	63	Analytical Review On Performance Of Solar Distillation System	Smart Classroom 3
01:45 pm - 02:30 pm		<b>Lunch Break</b>	
02:30 pm - 03:30 pm		<b>Veladictory Function - APGRES 2019</b>	



