



SAGAR GROUP OF INSTITUTIONS®

SISTec Engg.

GANDHI NAGAR CAMPUS | www.sistec.ac.in

Approved by AICTE & Affiliated to RGPV Bhopal

Newsletter

July-Dec
2018

DEPARTMENT OF
ELECTRONICS & COMMUNICATION

DEPARTMENTAL ACTIVITIES

GATE-2019 Preparation Class

In today's era of Education system ,GATE (Graduate aptitude Training Test) Exam is playing a very important role for getting (PSU's and GOVT.) jobs after graduation in Engineering and also for doing Post Graduation from well reputed IIT's and NIT's .

SISTec Department of Electrical Engineering is Organising Preparation Classes for GATE 2019 which will be free of cost, the key features of the classes will be to cover very important and relevant topics within one month

DATE: 1st Jan 2019 to 3rd Feb 2019

TIME: 1 PM to 4 PM

Faculties Taking Classes are: Prof. Uditveer Rajput, Prof. Aamir Naseer and Prof. Pravesh Malviya.

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HIGHLIGHTS OF SOME TOPICS

- Two port network ,Thevenin's & Norton's theorems.
- Power, Energy calculation ,Supernode & Mesh.
- Questions based on steady state signals.
- Laplace and it's properties, Double differentiation questions
- Waveform and energy calculation of wave.
- Numerical on Torque, EMF, Speed and external resistance DC machine.
- Numerical on Torque & Slip curve.
- Numerical on starting methods induction machine
- Transformer numerical.
- Auto transformer & Single phase induction motor.
- Power plant economics and cables.
- Voltage regulation and efficiency of transmission line.
- Numericals on Insulators & Feeders.
- Per unit values calculation and fault impedance calculations.
- Asymmetrical fault analysis with post fault ,pre fault and after fault.
- Swing equation and equal area criteria, Load flow analysis, Load frequency, Signal flow graph.
- Time response analysis, Steady state error.
- Bode, Nyquist, Polar plots numerical and Root locus.
- Compensation numerical, State-space analysis numerical.
- Uncontrolled and controlled rectifier, Half & full wave.
- Buck, Boost, Buck-boost choppers.
- Power factor measurement by watt meter method
- Error numerical based on IV and VI method.
- Error numerical of measuring instruments.
- RMS and Average value calculation of PMMC, MI & MC type
- Diode circuit waveforms, Zener diode
- BJT biasing, Op-amp circuits
- K-Map ,Multiplexers & Flip-flop.

GATE 2019 FREE

FAST REVISION CLASSES

By Department of Electrical & Electronics Engineering

Key Features

- Exclusive to SISTec Students for EX / EE branch
- 63 Hours | 26 Days Classes from 1st Jan 2019
- COVERAGE OF VERY IMPORTANT SELECTED TOPICS

Time :
1:00 PM
to **4:00 PM**

Venue : SAGAR INSTITUTE OF SCIENCE & TECHNOLOGY (SISTec)
Gandhi Nagar, Near International Airport, Bhopal

For Details Contact :

Asst. Professor - Uditveer Singh Rajput, Mo. : 8817565535
Asst. Professor - Aamir Naseer, Mo. : 9039746202 | Asst. Professor - Pravesh Malviya, Mo. : 9179731999

Multi Measurement & Calibration Kit (27 Nov 2018)

Multi - Measurement & Calibration Kit , prepared at Electrical & Electronics department (EX), SISTec-GN by Prof. Sitaram Raikwar. This multi purpose kit can be used in Electrical instrument and Electrical Machines Lab etc. The speciality of this kit is that various electrical instruments like Ammeter, Voltmeter, Wattmeter, Energy-meter can be connected on one single kit.

And more than 5 practicals can be conducted on single kit like Measurement and calibration of voltage, current, power, energy for various loads including Resistive, Inductive, Capacitive (RLC). The kit will be useful for electrical engineering students in learning about basics of electrical instruments in a practical manner and their calibration and connection in electrical circuits.



STUDENT ACTIVITIES

Fresher's Party 2018

The second year students of Electrical Engineering organized a fresher's party/ice breaking session exclusively for first year students.

Placements

Two students, Shivam kumar and Rahul Kumar Singh, of Electrical & Electronics Engineering Branch (2019 Batch) got placed in ADROIT Industries India Limited. This is another leap in core sector placements. ADROIT is one of the leading manufacturers of Automobile Components and 2nd largest exporter Indian company dealing in quality Automobile Components for medium and heavy loaded vehicles in 30 countries. The Department congratulates the achievers and give best wishes for their professional career.



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Congratulations

16 Students of 2019 batch placed in core sectors at one more industry.



ADROIT
Industries (India) Ltd.
ADROIT Industries (India) Limited

1. Nesar Ahamad	-	ME	9. Manish Kumar Dwivedi	-	ME
2. Shivshankar Parihar	-	ME	10. Amit Kumar	-	ME
3. Shivam Kumar	-	EX	11. Ramkrishna Sahu	-	ME
4. Rahul Kumar Singh	-	EX	12. Harendra Gupta	-	ME
5. Rajkumar Prajapati	-	EE	13. Govind Rajput	-	ME
6. Sumit Kumar Singh	-	ME	14. Arun Kumar Verma	-	EE
7. Dharendra Tripathi	-	ME	15. Shrawan Kumar Shah	-	ME
8. Neeraj Kumar Singh	-	ME	16. Ritesh Singh	-	ME

Hearty Congratulations Students & All the Best for your Future Endeavours.