



Recruitment Notice for Guest Lecturers

Selected candidates shall be eligible for an amount of Rs.1000/- per hr for theory and Rs.500/- per hr for practical classes not exceeding Rs.25,000/- per month for Guest Lecturer (Diploma Program). Selection will be based on the performance of the candidates in the Demo theory and practical class. The venue for theory demo will be Audio Visual Room (AV Room) of the Institute and practical skill test will be conducted by the concerned departments.

S. No	Details of requirement	Educational Qualification	Date and time	
			Practical	Theory
1	Guest Lecturer (Electrical)	First class B.E./B.Tech., from recognized university in relevant course	20.01.2024 9:00 am to 11:30 am	20.01.2024 2:00 pm to 3:00 pm
2	Guest Lecturer (CO/IT)			
3	Guest Lecturer (Maths)	First class Master's Degree in appropriate subject with first class or equivalent at Bachelor's or Master's level	-----	20.01.2024 2:00 pm to 3:00 pm

Dept	Theory Topic	Practical Topic
CO/IT	<ul style="list-style-type: none">• Concept of RDBMS: Relation, Attribute, Domain, Cardinality, Degree, Properties of RDBMS Database Security :Introduction, Need of Database security, types of database Users• Arrays and String Structure and Union• Software Requirement Engg: Need of SRS, formats and its characteristics• Data structures in Python: List, Tuple	<ul style="list-style-type: none">• Create and execute DDL commands.• Create and execute DML commands.• Programs on Array, String, Structures.• Implement various operations of Tuple in Python.• Implement Various operations of List in Python.
EE	<ul style="list-style-type: none">• Mesh / Nodal analysis• RLC series circuit and circuit resonance• Measurement of single phase power using dynamometer wattmeter• Construction and working principle of transformer• Parallel operation of transformer• Voltage regulation of alternator• Construction and working of Buchholz Relay• Different types of line insulators in transmission & distribution system• Different types of three phase induction motors• Over current and earth fault protection of Alternators	<ul style="list-style-type: none">• Verification of Kirchoff's laws• Measurement of power in single phase AC circuit• Measurement of three phase power by two wattmeter method• Load Test on single phase transformer• Open circuit and short circuit test of single phase transformer• Load test on three phase induction motor• Staircase wiring• Go down wiring• Straight joint and T-joint• Starting and running of single phase induction motor in forward and reverse direction
Maths	<ul style="list-style-type: none">• Differentiation of implicit function• Lagrange method of undetermined multipliers• Area by double integration and volume by triple integration• First order linear differential equations• First order linear differential equations• Partial fraction of proper and improper fraction• Reduction of quadratic form into conical by orthogonal transformation• Expansion of periodic function into Fourier Series• Solution of linear simultaneous in the three variables by crammers rule• Point of intersection of two lines, equation of line passing through point of intersection with given condition• Fourier's Transformation and its transverse	<ul style="list-style-type: none">•

Dean (Academic)

Junglighat P.O, Pahargaoon, Port Blair, A&N Islands

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