



GOVT. POLYTECHNIC DIGLIPUR

सरकार बटुशिल्ल सस्थान डिगलिपुर
अडमान तथा निकोबार प्रशासन
Andaman & Nicobar Administration

File No.:2-3/GPD/AC/DIPMOLA/2018/564

Dated: 14/03/2022

To

The Chief Editor
The Daily Telegram
Govt. Press, Port Blair

Sub: Publication of Press Note – reg:-

Sir,

Kindly publish the vacancy notice given below in your esteem Daily Telegram for two consecutive day's i.e on 16/03/2022 and 17/03/2022 and the advertisement charges may be forwarded to this office for payment.

WALK-IN INTERVIEW

The Govt. Polytechnic Diglipur will be engaging Guest Lecturers for Diploma program. The candidates who possess the under mentioned education qualification and who are willing to work may attend the walk-in Interview in below mentioned time and venue with relevant document.

Sl No	Name of the Post	Qualification	Venue and Time for Interview
1.	Guest Lecturer -01 No. (Computer Science & Engineering)	First class in B.Tech/B.E or M.Tech/ME (Computer Science and Engineering) from Recognized University	GPD Campus at GMSSS Sitanagar, Diglipur On 23/03/2022 at 10.AM
2.	Guest Lecturer -01 No. (Electrical / Electronics Engg.)	First class in B.Tech/B.E or M.Tech/ME (Electronics & Comm. Engg./ Electrical & Electronics Engg.) from Recognized University	
3.	Guest Lecturer -02 Nos. (Civil Engineering)	First class in B. Tech/B.E or M.Tech/ME (Civil Engineering) from Recognized University	
4.	Guest Lecturer – 01 Nos. (Management)	First class Master's Degree in appropriate subject with first class or equivalent at Bachelor's or Master's level	

The selection will be based on the performance of candidates in the demo class/ interview. The topic of demo class/interview will be collect from Govt. Polytechnic Diglipur Campus at GMSSS Sitanagar, Diglipur or Academic cell of DBRAIT, Port Blair. The selected candidate shall be paid an remuneration of max. of Rs. 250 per theory period and Rs. 125 per practical period with ceiling of Rs. 10000/-p.m.

Principal i/c
Govt. Polytechnic Diglipur

Yours faithfully

Principal I/c
Govt. Polytechnic Diglipur

Copy to :

1. The News Editor, All India Radio, Port Blair, with request to broadcast suitable news in the 'Pradeshik Samachar'.
2. The Account Section DBRAIT.

Principal I/c
Govt. Polytechnic Diglipur

DEMO TOPICS FOR GUEST LECTURER 2021-2022 (EVEN SEMESTER)

DEPARTMENT	THEORY (DIPLOMA)	PRACTICAL (DIPLOMA)
Computer Engineering	<ol style="list-style-type: none"> 1. Emerging Trends in Computer and Information Technology Concept of AI, Scope, Component, Types of AI, Applications of AI, Concept of Machine Learning and Deep Learning. 2. Java Programming Exception handling in Java, Multithreading in Java, Java Applets. 3. Software Engineering Requirement Engineering, Software requirement Specification. 4. Data Communication and Computer Network Error Correction and detection, Reference Model. 5. Database Management Transactions and concurrency control in DBMS, joins, Types of Join, Cursor and Triggers in Plsql. 6. Computer Networks Host-to Host Layer protocol, Internet Layer protocol, Transport layer Protocol, Application Layer Protocol. 7. Programming in 'C' Structure and pointer. 8. Mobile Application Development <ul style="list-style-type: none"> • User Interface Components and Layout: a Components of Screen. b. Linear Layout c. Absolute layout d. Frame Layout e. Table layout f. absolute layout. • Design user interface with view: a. Text view b. Edit view c. Button view d. Radio button e. Check box f. Progress bar g) List view h) grid view I) Scroll view j)Custom toast. • Time and Date Picker 9. Programming with Python Object oriented programming with python method overloading and overriding, inheritance and composition. 10. Network and Information security Symmetric and Assymmetric Cryptography, Cyber Crime. 	<ol style="list-style-type: none"> 1. PHP <ul style="list-style-type: none"> • Design webpage using from controls and add data validation. • Develop Applications to enter data in to Database and retrieve data from database. 2. Java Programming Exception handling for Java, Java Applets. 3. Data Communication and Computer Network Cabling, Share Files, Folders, Printer in a network. 4. Computer Peripheral and Hardware Maintenance Assemble and Dissemble of computer System. 5. Webpage Designing with HTML Designing of Website. 6. Database Management Cursor and Triggers in Plsql. 7. Programming in 'C' Structure, Pointing, File handling. 8. GUI Application using VB.net Fetch data from table and display in grid, Exception handling. 9. Mobile Application Development Different Layout, Different views and button, Data and Time picker. 10. Programming with Python Method overloading and Method Overriding, Inheritance.
Management	<ol style="list-style-type: none"> 1. Preparation of balance sheet and profit-loss statement. 2. Function of Management. 3. Capital generation and management. 4. Budgets & its types. 5. Total Quality Management. 6. Straight line method of depreciation. 7. Scientific Management. 8. Scope of Engineering Economics. 9. Evaluation of Public alternatives. 10. Determination of Economics life of asset. 	

ECE	<ol style="list-style-type: none"> 1. Full wave rectifier with filter 2. Clipper & clamper circuit 3. CE transistor characteristics 4. Wireless local loop architecture 5. GPRS architecture 6. LVDT & RVDT 7. Float type with linear & rotary potentiometer level measurement 8. Implement 4 bit ripple counter using 7476 9. Perform 8-bit addition 10. DC regulated power supply 11. PN junction & zener diode characteristics 12. Active & passive transducer 13. Contact and non-contact sensor 14. Addressing modes of 8051 8051 instruction set 	<ol style="list-style-type: none"> 1. Build/ test full wave rectifier. 2. Build/test combinational clipper circuit 3. Test the performance of FET drain characteristics transfer characteristics and calculate transductance. 4. Use AT commands to understand working of 3G networking using 3G mobile phone and trainer kit 5. Simulate the delta modulation using MAT LAB and Simulink 6. Use of strain guage to measure weights 7. Measure displacement using LVDT 8. 8051 architecture 9. Master slave JK flip-flop 10. 4 bit asynchronous counter 11. Build/ test zener voltage regulator for the given voltage 12. Characteristics of zener diode 13. Perform 8-bit subtraction using microcontroller 14. Interface LCD with 8051 to display the characteristics and decimal number. 15. Simulate 4:1 mux 16. 3-bit adder 1:8 demultiplexer using EDA tool
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DR B. R. AMBEKAR INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Diploma Demo (Theory)

1. Direct and bending stress in vertical members.(Theory of Structure)
2. Slope and deflection in beams.(Theory of Structure)
3. Varignons theorem. (Applied Mechanics)
4. Centre of gravity. (Applied Mechanics)
5. Optimum moisture content. (G-Tech)
6. Bearing Capacity of Soil. (G-Tech)
7. Test on damaged structures. (Maintenance & Repair of Structure)
8. Repair Techniques. (Maintenance & Repair of Structure)
9. Classification of solid waste. (Solid waste Management)
10. Methods of composting. (Solid waste Management)

Diploma Demo (Practical)

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|-------------------|---|
| 1. CMTC Lab: | a) Test for cement and aggregate
b) Test for steel |
| 2. Env. Engg Lab: | a) Test for Water quality. |
| 3. Survey Lab: | a) Compass survey
b) Levelling/ Theodolite survey. |
| 4. G-Tech Lab: | a) Index Properties of soil. |

(These broad topics of practicals has more than 10 experiments)

P.H.
13/12/2024

Academic Coordinator
(Diploma Civil)

Dr. B. R. Ambedkar Institute of Technology
Pahargaoñ, Port Blair

Department of Electrical Engineering

Dated: 17/12/2021

The demo topics for guest faculty and practical topics for both guest faculty and Part Time Instructors (PTIs) of Electrical Engineering Department for the academic session 2021-22 (even) is as follows:

Demo topics (Theory) for Guest Faculty	Practical topics for both Guest faculty and PTI
1. Mesh / Nodal analysis	1. Verification of Kirchoff's laws
2. RLC series circuit and circuit resonance	2. Measurement of power in single phase AC circuit
3. Measurement of single phase power using dynamometer wattmeter	3. Measurement of three phase power by two wattmeter method
4. Construction and working principle of transformer	4. Load Test on single phase transformer
5. Parallel operation of transformer	5. Open circuit and short circuit test of single phase transformer
6. Voltage regulation of alternator	6. Load test on three phase induction motor
7. Construction and working of Buchholz Relay	7. Staircase wiring
8. Different types of line insulators in transmission & distribution system	8. Go down wiring
9. Different types of three phase induction motors	9. Straight joint and T- joint
10. Over current and earth fault protection of Alternators	10. Starting and running of single phase induction motor in forward and reverse direction
	11. Load Test of 3- ϕ . I. Motor

~~Hod (EE)~~
Dean (Academic)

Shankar
17/12/2021

R. Mohan
R. Mohan
Lecturer (EE)