अंडमान तथा निकोबार प्रशासन
ANDAMAN & NICOBAR ADMINISTRATION
डॉ. भीमराव अंबेडकर प्रौद्योगिकी संस्थान
Dr. B.R. AMBEDKAR INSTITUTE OF TECHNOLOGY
(NAAC ACCREDITED)
पहाड़ गाँव पोर्ट ब्लेयर   **PAHARGAON, PORT BLAIR- 744103**
अंडमान तथा निकोबार द्वीप समूह   **ANDAMAN & NICOBAR ISLANDS**

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Recruitment Notice for Guest AP, Guest Lecturers, PTI

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 AP (Degree Program) and Rs.250/- per hr for theory and Rs.125/- per hr for practical classes not exceeding Rs.10,000/- per month for Guest Lecturer (Diploma Program). For Part Time Instructor, Rs.150/- per hr for the practical classes not exceeding Rs.10,000/- per month. Selection will be based on the performance of the candidates in the Demo theory and practical class. The venue for theory demo will be AV Room of the Institute

S. No.	Details of requirement	Course	Educational Qualification	Date and time	
				Practical	**Theory**
1	Guest AP (Civil Engineering)	Degree	B.E./B.Tech., and M.E.,/M.Tech., Civil Engg. from recognized university with first class or equivalent either in B.E.,/B.Tech., or M.E.,/M.Tech.	06/04/2022 09:30 to 11:30 AM	06/04/2022 01:30 to 02:30 PM
2	Guest Lecturer (Computer Science / Information Technology)	Diploma	First class B.E./B.Tech., from recognized university in relevant course	06/04/2022 09:30 to 11:30 AM	06/04/2022 01:30 to 02:30 PM
3	Guest Lecturer (Electrical)			06/04/2022 09:30 to 11:30 AM	06/04/2022 01:30 to 02:30 PM
4	Guest Lecturer (Management)		First class Master's Degree in appropriate subject with first class or equivalent at Bachelor's or Master's level	-----	06/04/2022 01:30 to 02:30 PM
5	Part time Instructors (CO/IT)	Degree & Diploma	Bachelor Degree of Engineering in the respective field from a recognised University OR Diploma in respective field from a recognised Educational/Technical institution. OR Senior secondary pass(10+2) with vocational course certificate in an appropriate trade with 3 years practical experience OR 10th passed with ITI in the relevant field passed from a recognised Institute/ Board with 3 years' experience	06/04/2022 09:30 AM to 11:30 AM	------

Dean (Academics)

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DEMO TOPICS FOR GUEST AP, GUEST LECTURER AND PART TIME INSTRUCTOR DBRAIT 2021-2022
(EVEN SEMESTER)

DEPARTMENT	THEORY (DEGREE)	PRACTICAL (DEGREE)	THEORY (DIPLOMA)	PRACTICAL (DIPLOMA)	PTI
Management			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.		
Computer Engineering			1. **Emerging Trends in Computer and Information Technology** Concept of AI, Scope, Component,	1. **PHP** • Design webpage using from controls and add data validation. • Develop Applications to enter data in to	**Diploma Programme:** 1. Set up Wifi 2. Assemble and dissemble of various part of Computer system 3. OS installation

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			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	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	4. C program on pointer, structures & file management 5. C++ program on class, overloading, inheritance 6. Data structure using C-tree traversal 7. Data structure using C-bubble sorting, radix sorting 8. Mail merge 9. Network cabling 10. Preparation of result sheet in excel. **Degree Programme:** 1. C programming lab 2. OS installations 3. Hardware & networking 4. Stack data structure 5. Queue data structure 6. Linked list 7. Dynamic memory allocation 8. Searching algorithm 9. Sorting algorithm 10. Tree data structure

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			Layer protocol, Transport layer Protocol, Application Layer Protocol. 7. **Programming in 'C'** Structure and pointer. 8. **Mobile Application Development** • 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	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.	

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			oriented programming with python method overloading and overriding, inheritance and composition. 10. **Network and Information security** Symmetric and Assymetric Cryptography, Cyber Crime.		
Civil	1. Bending stresses 2. Moment Distribution method 3. Environmental engg. Transportation of sewage 4. Activated sludge process 5. Flocculators 6. Contour surveying 7. Tachometric surveying 8. One dimensional consolidation 9. Workability of concrete 10. Hydration of cement	1. Determination of quality of water 2. Test on cement 3. Test on aggregate 4. Tachometric survey 5. Compass surveying 6. Levelling 7. Test of steel			

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Electrical				1. Mesh/Nodal analysis.
				 2. RLC series circuit and circuit resonance
				 3. Measurement of single phase power using dynamometer wattmeter.
				 4. Construction & working principle of transformer.
				 5. Parallel operation of transformer
				 6. Voltage regulation of alternator.
				 7. Construction & working of Buchholz relay
				 8. Different types of line insulators in transmission & distribution system
				 9. Different types of three phase induction motors.
				    Over current and earth fault protection of alternators.
					1. Verification of Kirchoff's laws
					 2. Measurement of power in single phase AC circuit
					 3. Measurement of three phase power by two wattmeter method
					 4. Load test on single phase transformer
					 5. Open circuit & short circuit test on single phase transformer
					 6. Load test on three phase induction motor
					 7. Staircase wiring
					 8. Go down wiring
					 9. Straight joint & T-joint
					    Starting & running of single phase induction motor in forward & reverse direction	