Sample Activities SL. No Pedagogical **Methods** 1. Method : A https://physicsteacher.in/microprocessor-tu O A https://physicsteacher.in/digital-electronics-hub-of-related-posts/ **Flipped Classroom** The Architecture of 8085 and 8086 - Questions & answ Design steps of 4-bit asynchronous up counter Design steps of 4-bit (MO using J-K flip-flop counter using J-K flip-flop In this post, we will answer a bunch of selected ... Faculty : In this post, we will discuss the Design steps of In this post, we will discuss t Mrs. S. Saha Continue Reading the 4-bit asynchronous up counter using J-K flipthe 4-bit (MOD-16) synchron Assistant Professor flops. In a binary counter, if flip-flops do not the J-K flip-flop. We will star change states in exact ... Memory organization in 8086 microprocessor few related questions ... Sem : 4th Sem After studying this article the readers will be able to ... Course Code/Course: Latch, Flip-flop, and Counter Flip-flop Types, Logic sym Continue Reading EC403 Applications - study note This post covers Latch, Flip-flop, and Counter with **Microprocessor and** The basic building block for a set of questions and answers. These three topics Interrupts in 8086 Microprocessor Micro controller circuits is the flip-flop. Logic are very important for digital electronics students. In this post, we will build our concepts on the ... into two groups. One is corr What is the difference between combinational ... using AND, OR, and NOT ga And Continue Reading **Online study material** Sem : 3rdSem Faculty: Mrs. Saraswati Saha Course Code/Course: EC 302 Digital System **Digital Electronics articles:** Design https://physicsteacher.in/digital-electronics-hub-of-related-posts/ Microprocessor and Micro controller article: https://physicsteacher.in/microprocessor-tutorials-hub/ Study material is made available in online mode through website to the students prior to teaching.

Innovations by the Faculty in Teaching and Learning (ECE Department @RCCIIT, Kolkata)

| 2. | Method: Interaction with outside world Faculty: Dr. A. Deyasi, Assistant Professor | Awards in Bengalathon Internships received from Internshala Team from Dept. of IT in 2018 (Harshit Anand Gupta, Bidisha Mondal, Ritwika Banerjee, Avijit Das, Hocafja Wahid) under the mentorship of Dr. Abhijit Das reached National level final round and won Juri's Special Award More than 100 students of different cadre have received Internships from Internshala in last 2 years (July 2018 – July 2020) which is an measurement of reflection and appreciation of their knowledge, and are primarily suitable for Industry-relevant work Team from Dept. of ECE in 2019 (Shalini Sil, Subhomoy Daw) reached National level final round and became Winner in Group C Internships may be performance-based upto a considerable amount Award in Bengalathon Internship received from Internshala |
|---|---|---|
| Mode: Guided students to participate in different competition such as Bengalathon, Big Dream championship, etc. | | Student Participation at Science and Engineering Fair (SEF) Image: Constraint of the sear form Dept of Constraint of the sear form the sear form Dept of Constraint of the sear form the sear form Dept of Constraint of the sear form the sear form Dept of Constraint of the sear form the searce searce that and the searce searce the searce searce of the searce searce searce of the searce searce of the searce |
| | Method : DEMONSTRATION THROUGH WORKING MODELS Mode: Live demonstration Faculty : Mr N. Bhattacharya Assistant Professor | Link: https://www.youtube.com/watch?v=xPJpUJg3hkA The students of second year were taken to explain about the principles of working of Digital Storage Oscilloscope by Asst. professor Mr.Nandan Bhattacharya. Also they were shown different types of waveform and measuring the various parameters. Demonstration Video Link: https://drive.google.com/drive/folders/1tA-Du5Hxlt51cHLfZlqCGj0c8VCyu_70 |



| 6. | Method :WIT & WIL, | A presentation is designed and created using ICT tools in order to present the teacher's perspective ("WIT") about scenario of the respective subject. The presentation is designed such that it maps every topic of the prescribed syllabus to the real world, in order to give the students a tangible experience of understanding the underlying engineering concepts to perceive for themselves ("WIL"). | | | | | |
|----|--|--|--|--|--|--|--|
| | Mode: Presentation | Course Booklet Link for B. I ech courses available at college website | | | | | |
| | | https://rcciit.org/academic/download/ece/booklets/1%20st%20year%20Course%20Booklet new.pdf | | | | | |
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| | | https://rcciit.org/academic/download/ece/booklets/4th%20year%20Course%20Booklet_new.pdf | | | | | |
| | | Execution Plan: Every faculty has to explain the overview at the commencement of the schedule. Expected Outcomes: Students can understand the objective and outcome of the subjects. | | | | | |
| 7. | Method : PROJECT ASSIGNMENTS | The students will be given the project topics and made them to present Hardware model and submit the project report in write up. | | | | | |
| | Mode: The students will be given the project topics and made them to present Hardware model and submit the project report in write up. Faculty : Mrs. S.Saha Assistant Professor Faculty : Mrs. A. Banerjee Roy Associate Professor | <image/> <image/> <image/> <image/> <image/> <section-header><image/><section-header><image/><section-header><image/><section-header><image/><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></section-header></section-header></section-header></section-header> | | | | | |

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| | Faculty: | VouTube ** Search | Q 🌵 | Nath to Energy pdf - Adobe Aroba the Rade DC (32-bit) Edit Vew Signi Window Help Ome Tools Wakte to Energy pdf × | 181 3 | | |
| | Dr. A. Deyasi, | | |]☆�ᠲQ ③④_1/2 ▶ ◓⊙⊙ <u>™* -</u> 봄·Ţ ₽ℓ৫⊅ | | | |
| | Assistant Professor | Arpan Deyasi | | 0 | Search 'Underline' | | |
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| | available in | | | MCE 302F | Select fur the Wate to Energy pdf X | | |
| | Electron device, | Description | Stats | Dr. Abhishelt Basu | Convert to Microsoft Word (*.doo) V | | |
| | Quantum Electronics, | Short lectures on selected technical topics are uploaded, and are prouped under plavilists. At present, | Joined Mar 31, 2020 | Dent of ECE | Document Language. English (U.S.) Change | | |
| | Analog VLSI, Renewable | video lectures are available in Electron Device, Quantum Electronics, Analog VLSI, Renewable Energy, Satellite Communication | | BCC Institute of Information Technology | Convert, edit and «-sign PDF forms & agreements | | |
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| | Satellite-communication | mude: | | | | | |
| | | YouTubeVIDEO Lecture Link Faculty: Dr. Arpan Deyasi | | | | | |
| | Faculty: | | | | | | |
| | Dr. A. Basu | | | | | | |
| | Associate Professor | Faculty: Dr. Abhishek Basu | | | | | |
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| | | Digital VI SI Circuits & Systems | hit ly/3gOI | | | | |
| | | W_{acto} to Energy: Unit 1 : https://bit.ly/2k/1kco | | | | | |
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| 0 | Method · NPTEL | | | Execution Plan: | | | |
| 9. | VIDEO CLASS ROOM | | | The students who have enrolled for different certification courses can use | | | |
| | | All and a second | | the infrastructure available in the departme | ent/institution during the college | | |
| | Dr. A. Deyasi, | | | are allotted for supporting them. | sine respective faculty memoers | | |
| | Assistant Professor | | | | | | |
| | Guided students for | | | Time schedule for MOOCs reflected in the class routine | | | |
| | participating in MOOCs | | Elena I | Link for class routine: | | | |
| | courses through NPTFI | | 0 | https://rcciit.org/academic/downlo | ad/ece/routine/odd2021- | | |
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| 10. EMPLOYABILITY Training on Technical Skills & Soft Skills for awareness and readiness | | | | eness and readiness for employability. | | | |
| SKILLS Hard copy attached for student participation in coding class and soft copy of rest. | | | | | | | |
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