



BHARAT

INSTITUTE OF ENGINEERING AND TECHNOLOGY

NAAC Accredited, NBA Accredited for UG Programmes: CSE, ECE
Approved by AICTE, New Delhi, Affiliated to JNTUH

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

In Criteria 2.3.2 The HEI has shown the proof of ICT enabled tools used for effective teaching learning process and has been accepted by the peer team and also mentioned in the peer team report but marks awarded is less in the grade sheet. Hence HEI request to again reconsider the data provided.

ICT tools can be used to find, explore, analyze, exchange and present information responsibly and without discrimination. ICT can be employed to give users quick access to ideas and experiences from a wide range of people, communities and cultures. Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities include use of ICT, instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction.

Following are the best and innovative practices undertaken by the faculty members for improving teaching and learning experience:

- Power Point Presentations
- NPTEL Local Server Access
- NPTEL Videos Spoken Tutorial
- Student Seminars
- Online Teaching Platform like Zoom & Google Meet
- Industrial Visits
- You Tube Video Lectures
- Mini and Major technical projects
- Communication Skill Development
- Google Classroom
- Virtual labs

Modern teaching aids like Multimedia, Projectors, and Internet enabled Computer systems are used for class room instruction as well as other student learning experiences.

The students are also encouraged to use computer software packages for their projects & E-Journals(DELNET).



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Bharat Institute of Engg. and Tech
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Ranga Reddy (Dist)-Telangana-501510



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Faculty utilizes online resource course material of different International and National Universities. The departments conduct paper presentation, poster presentation, and technical exhibition etc. under departmental association

Teachers deliver content beyond the syllabus apart from their class room instruction.

- **The following ICT enabled tools are adapted for effective teaching-learning process**
Established NPTEL Local Chapter

<https://nptel.ac.in/localchapter/statistics/626>

- **Enrollment of SWAYAM-NPTEL MOOCs Courses by Students and Faculty**

<https://swayam.gov.in/>

- **Faculty ICT Lectures BIET ICT MOOC'S YOUTUBE CHANNEL**

https://www.youtube.com/channel/UCwzJc-NmUbGndi4WL7RJ8_Q

- **Use of E-Resources <http://biet.ac.in/e-resources.php> Google Class Room**

<https://biet.ac.in/ict-facilities.php>

- **Use of Virtual Labs facilities :**

<https://www.vlab.co.in/participating-institute-iiit-hyderabad>

- **Use of E resources in ISRO Dehradun as Nodal Center :**

<https://elearning.iirs.gov.in/#myTabContent>



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BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy (District), Telangana-501510

2.3.2. Teachers use ICT enabled tools for effective teaching-learning process

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PRINCIPAL

1. FACULTY INNOVATIONS IN TEACHING-LEARNING

<http://biet.ac.in/cse-faculty-innovations.php>

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ADMISSIONS
2019-2020

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EAMCET/PGECT/CET:
BIET

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CSE Dept Home

- Vision & Mission
- Objectives & Outcomes
- Facilities & Assets
- Faculty
- Research & Publications
- Academic Schedule
- Collaborations
- Department Activities
- Campus Selections
- Roll of Honour

Department » Faculty innovations

Contributions of BIET CSE Department Faculty towards inculcating innovative means in Teaching and Learning are clearly elucidated both in our Department Records and on the Institute Website for peer review and critique. Our work is open to be enhanced or reproduced. Some of our inclusive ways are attractive presentations, interesting videos and mini projects, practice programs, contents beyond syllabus assignment questions and quizzes, tutorial sessions especially for problematic and programming subjects, results analysis through interactive feedback, so forth. Proofs of the stated are comprehensively documented.

To improve the level of understanding in students, the following innovative teaching approaches are undertaken by the institution.

ICT Supported Learning

Information and Communication Technology or ICTs allow users to participate in a rapidly changing world in which work and other activities are increasingly transformed by access to varied and developing technologies. The Indian Information Technology and industry accounts for a 5.9% of the country's GDP and export earnings as of 2009, while providing employment to a significant number of its tertiary sector workforce. More than 2.3 million people are employed in the sector either directly or indirectly, making it one of the biggest job creators in India and a mainstay of the national economy.

Use of ICT

2. NPTEL FACILITY

NPTEL LOCAL SERVER

<http://172.16.16.30/NPTEL/>

NPTEL - Web and Video Courses

Discipline-Wise Listing

Aerospace Engineering	Atmospheric Science	Basic courses (Sem 1 and 2)	Biotechnology
Chemical Engineering	Chemistry and Biochemistry	Civil Engineering	Computer Science and Engineering
Electrical Engineering	Electronics & Communication Engineering	Engineering Design	Environmental Science
General	Humanities and Social Sciences	Management	Mathematics
Mechanical Engineering	Metallurgy and Material Science	Mining Engineering	Nanotechnology
Ocean Engineering	Physics	Textile Engineering	

Instructions

- Please read the Readme.txt for details on how to setup the NPTEL Index.
- This index has been provided to refer the NPTEL Web and Video course contents.
- Click on the Discipline to view list of courses
- The NPTEL index list may be modified by the institute, as required.

← → ↻ Not secure | 172.16.16.30/NPTEL/css.html



NPTEL - Web and Video Courses

subjectId	Discipline Name	Subject Name	Coordinators	Type	Institute	Content
106101007	Computer Science and Engineering	Natural Language Processing	Prof. Pushpak Bhattacharyya	Video	IIT Bombay	Select
106101059	Computer Science and Engineering	Design and Analysis of Algorithms	Prof. Abhiram G Ranade, Prof. Ajit A Diwan, Prof. Sundar Viswanathan	Web	IIT Bombay	Select
106101060	Computer Science and Engineering	Design and Analysis of Algorithms	Prof. Abhiram G Ranade, Prof. Ajit A Diwan, Prof. Sundar Viswanathan	Video	IIT Bombay	Overview of t
106101061	Computer Science and Engineering	Software Engineering	Prof. Rushikesh K Joshi, Prof. Umesh Bellur, Prof. N.L. Sarila	Video	IIT Bombay	Select
106102011	Computer Science and Engineering	Computational Geometry	Prof. Sandeep Sen	Video	IIT Delhi	Select
106102013	Computer Science and Engineering	Logic for CS	Prof. S. Arun Kumar	Video	IIT Delhi	Select
106102062	Computer Science and Engineering	Computer Architecture	Prof. Anshul Kumar	Video	IIT Delhi	Select
106102064	Computer Science and Engineering	Data Structures And Algorithms	Prof. Naveen Garg	Video	IIT Delhi	Select
106102065	Computer Science and Engineering	Introduction to Computer Graphics	Prof. Prem K Kalra	Video	IIT Delhi	Select
106102067	Computer Science and Engineering	Principles of Programming Languages	Prof. S. Arun Kumar	Video	IIT Delhi	Select

SWAYAM-NPTEL LOCAL CHAPTER

<https://nptel.ac.in/LocalChapter/statistics/626/>

SWAYAM-NPTEL Local Chapter



DR PAPIYA DUTTA
BHARAT INSTITUTE OF
ENGINEERING AND
TECHNOLOGY

 SPOC Timeline

 SPoC Conference Support Request

College Profile
SPOC Profile
Req Letter

College Address

IBRAHIMPATANAM, RANGA REDDY DISTRICT

HYDERABAD

TELANGANA

Contact No: 8414252313

Alternate No: 8414252399

College Id : 626

SWAYAM-NPTEL PARTICIPATION-FACULTY AND STUDENTS

<https://swayam.gov.in/>

Active Courses for BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (college)		Total registrations: 1437 Total members: 598
URL Slug	Title	No. of registered LocalChapter Members
/nd2_ntr20_ed23	Transforming Instruction Through Blended Classroom	0
/nd2_ntr20_ed15	Graphics and Animation Development	0
/nd2_ntr20_ed13	Development of Self Learning Material	0
/nd2_ntr20_ed12	Problem Based learning	1
/nd2_ntr20_ed11	E- Content Development	0
/nd2_ntr20_ed10	Laboratory and Workshop Management	0
/nd2_ntr20_ed09	Academic and Research Report	0
/nd2_ntr20_ed08	Redefining Laboratory Instruction Using Virtual Laboratory	0
/nd2_ntr20_ed07	Quality Assurance in Engineering Education	0
/nd2_ntr20_ed06	Research in Technical Education	0
/nd2_ntr20_ed05	Learning and Instruction	0
/nd2_ntr20_ed04	ICT in Teaching and Learning	0
/nd2_ntr20_ed03	FUNDAMENTALS OF OUTCOME-BASED CURRICULUM IN ENGINEERING EDUCATION	0
/nd2_ntr20_ed02	Accreditation for Undergraduate Engineering Programmes	1
/nd2_ntr20_ed01	Accreditation for Diploma Engineering Programmes	1
/nd2_ntr19_ned09	AICTE - NITTT - Module 8 - Institutional Management & Administrative Procedures	0

NPTEL VIDEOS

<https://nptel.ac.in/course.html>

NPTEL About us Courses Contact us

Courses > Computer Science and Engineering > NOC: An Introduction to Artificial Intelligence (Video) > Syllabus

Co-ordinated by : IIT Delhi Available from : 2019-11-13 Lec : 1

Modules / Lectures

- Intro Video
- Module 1
 - Introduction: What to Expect from AI
 - Introduction: History of AI from 40s - 90s
 - Introduction: History of AI in the 90s
 - Introduction: History of AI in NASA & DARPA(2000s)
 - Introduction: The Present State of AI
 - Introduction: Definition of AI Dictionary Meaning
 - Introduction: Definition of AI Thinking VS Acting and Humanly VS Rationally

Watch on YouTube Video Download Videos & Transcripts

mod01lec01 Watch later Share

3. STUDENTS AUTOMATION

<http://103.206.107.59/ecap/default.aspx>

The screenshot displays the website for Bharat Institute of Engineering and Technology. At the top left is the institute's logo, a circular emblem with a book and a lamp. To its right, the text reads "BHARAT Institute of Engineering and Technology" in bold red and black, with a smaller line below stating "(Approved by AICTE, Affiliated to JNTUH & Accredited by NAAC)". Further right, contact information is provided: a phone number "08414 252313" and an email "info@biet.ac.in". To the right of this, it says "EAMCET/PGET/ICET: BIET". Below the header is a banner image showing students in a library and a classroom. A blue text overlay on the right side of the banner reads "(al the faculty kindly change your password". The main content area features two login panels. The left panel is titled "Employee Login" and includes a blue header, a "User Name" field, a "Password" field, a small icon of a person, and a blue "LOGIN" button. The right panel is titled "Student Login" and includes a blue header, a "User Name" field, a "Password" field, a small icon of a graduation cap, and a blue "LOGIN" button.

4. BIET ICT-MOOCs YOUTUBE CHANNEL

https://www.youtube.com/channel/UCwzJc-NmUbGndi4WL7RJ8_Q

The screenshot displays the YouTube channel page for BIET ICT MOOC'S. The channel has 121 subscribers and is marked as 'SUBSCRIBED'. The page is divided into several sections:

- Channel Header:** Features the channel name 'BIET ICT MOOC'S', the subscriber count '121 subscribers', and a 'SUBSCRIBED' button with a notification bell icon.
- Navigation:** Includes tabs for HOME, VIDEOS, PLAYLISTS, CHANNELS, DISCUSSION, and ABOUT.
- Uploads Section:** Titled 'Uploads' with a 'PLAY ALL' button, it shows five video thumbnails with their respective titles and durations:
 - Refrigeration & Airconditioning: # Bell... (22:49)
 - Real Time Project Solar Operated Biomass Pelletizi... (3:37)
 - Power Electronics Drives: #Introduction to... (15:32)
 - Basic Electrical Engineering: # Norton's Theorem (10:05)
 - Analog Electronics: # Power Amplifiers (15:58)
- Subscriptions:** A list of channels the user is subscribed to, including MHRD Innovation Cell, BIET ICT MOOC'S (highlighted), R.MADANA MOHANA, NPTEL LIVE STRE..., nptelhrd, and Abulhair Saegrov.
- Popular uploads Section:** Titled 'Popular uploads' with a 'PLAY ALL' button, it shows five video thumbnails with their respective titles and durations:
 - (29:43)
 - (10:15)
 - (19:49)
 - Computation of CO-PO / PSO Attainment (1:06:21)
 - (16:19)

5. e-RESOURCES

<http://164.100.247.26/Search/Home>

Not secure | 164.100.247.26/Search/Results?lookfor=COMPUTER+SCIENCE&type=Title&filter%5B%5D=~format%3A"Book"&filter%5B%5D=~format%3A"Article"&filter%... ☆

User Manual / Usage Statistics / Know your ILL-Book Status / Your Account / Contact DELNET / Log Out

DELNET

Your membership will be active for 267 days, needs renewal thereafter. Language: English

Institution : Bharat Institute of Engineering & Technology

Happy New Year
2020

Search the DELNET Digital Library Resources

COMPUTER SCIENCE Title All selected Q Find Advanced

You are accessing union catalog of Books, Journals etc

Retain my current filters

Search: COMPUTER SCIENCE

Suggested Topics ... within your search.

Computer Science (2,157)	Computer (1,997)	Mathematics (1,468)
Computer science (1,110)	COMPUTER SCIENCE (791)	COMPUTER (609)

more ...

Showing 1 - 60 of 83,732 for search: 'COMPUTER SCIENCE' query time: 0.54s

Sort: Relevance

- Select all
- Books for Loan
- Articles (Bibliographic)
- Journals (Listing)
- Journals (Holdings data)
- Thesis/Dissertation
- Audio Cassette
- Video Cassette
- CD/DVD

Advanced Search

ADVANCED FILTERS

Format: Book

OR Format: Article

OR Format: Journal

6. USEFUL ICT LINKS

<http://biet.ac.in/e-resources.php>

The screenshot shows the website for Bharat Institute of Engineering and Technology. The header includes the institute's logo, name, and accreditation details. A navigation menu is located below the header. The main content area is titled 'Facilities » Library E - Resources' and contains two sections: 'E - Resource for Subscribed Journals' and 'E - Resource for E Content - Useful ICT links'. Each section contains a table with columns for 'S. No.' and 'Title'.

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Library Home

- Library Facilities
- Library Collection
- DELNET
- E - Resources
- Library Staff

Facilities » Library E - Resources

E - Resource for Subscribed Journals

S. No.	Title
1.	Cengage: InfoTrac Engineering Science & Technology Collection (IESTC)- 2233 Engg Journals
2.	Cengage: InfoTrac Management Collection - 2006 Management Journals

E - Resource for E Content - Useful ICT links

S. No.	Title
1.	NPTEL
2.	Virtual Labs
3.	Talk to Teacher
4.	Spoken Tutorial

7. VIRTUAL LABS

<https://www.vlab.co.in/participating-institute-iiit-hyderabad>



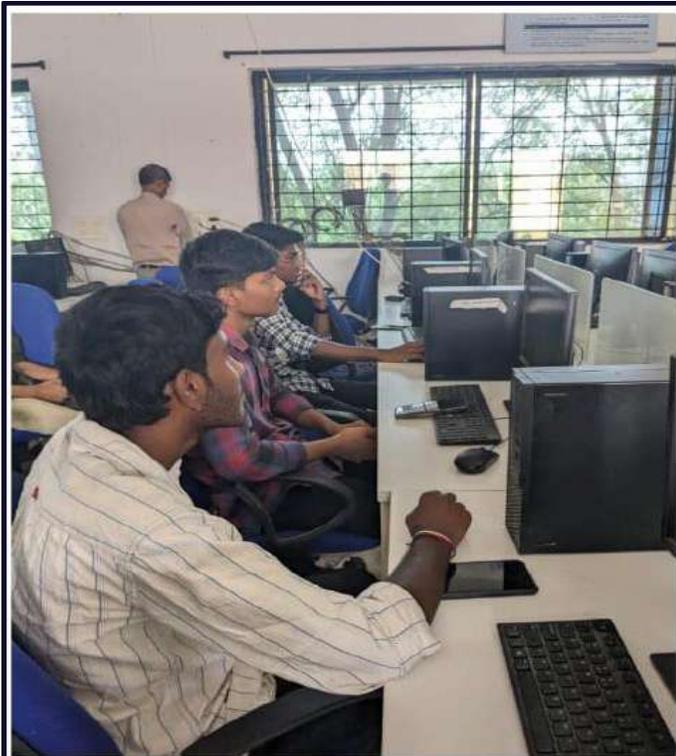
Mapping Virtual Labs to your Curriculum

NMEICT - VIRTUAL LABS
Curriculum Mapping for NIT Warangal

Sr No.	Course Code	Course Name	Corresponding VLab Name
1	CS101, CS102	Problem Solving & Comp Programming, Problem Solving & Comp Programming Lab	Problem Solving Lab Computer Programming Lab
2	EC101, EC207, CS203, EC307, EC308	Basic Electronic Engineering, Digital Logic Design, Computer Architecture, IC Applications, IC Applications Lab	Digital Electronics, Computer Lab Basic Electronics Lab Computer Organization Virtual Lab Basic Electronics Lab Computer Organization Labs Digital Logic Design using gates
3	CS202, CS204, CS202, CS402, CS310, CS314	Data Structures and Algorithms, Data Structures and Algorithms Lab, Design and Analysis of Algorithms, Recursion Algorithms, Graph Algorithms, Advanced Data Structures	Data Structures Data Structures Lab Data Structures Lab Data Structures Lab
4	CS204, CS208	Database Management Systems, Lab	Database Lab
5	CS304, CS312, CS373	Software Engineering, Software Metrics and Software Project Management, Software Testing	Software Engineering Lab
6	EC220, CS302, CS305, CS402, CS406, CS404	Network Analysis, Computer Networks, Computer Networks Lab, Cryptography and Network Security, Security and Privacy, Internet of Things	Computer Networks Advanced Network Technologies Virtual Lab Computer Networking and Security Laboratories on Computer Networks Cryptography

Attribution:
Extracted from NITK's presentation to NITW at a Webinar. Use this link to see full mapping
<https://drive.google.com/file/d/1VwqTj4pSRNGDQoAo7-9SxU27ohkHta/view?usp=sharing>

Site compiled by - NMEICT - Virtual Labs - Centre for System Design, NIT Karnataka, Srirangapatna | Feedback: www@vlab.co.in



8. IRIS DEHRADUN NODAL CENTER E RESOURCES

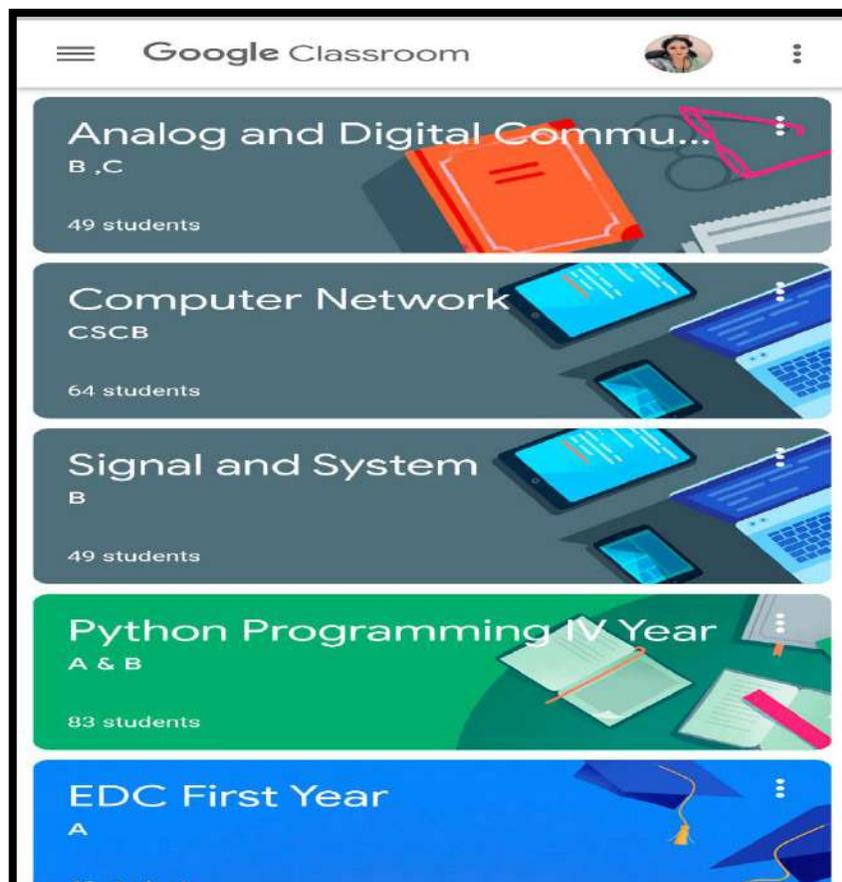
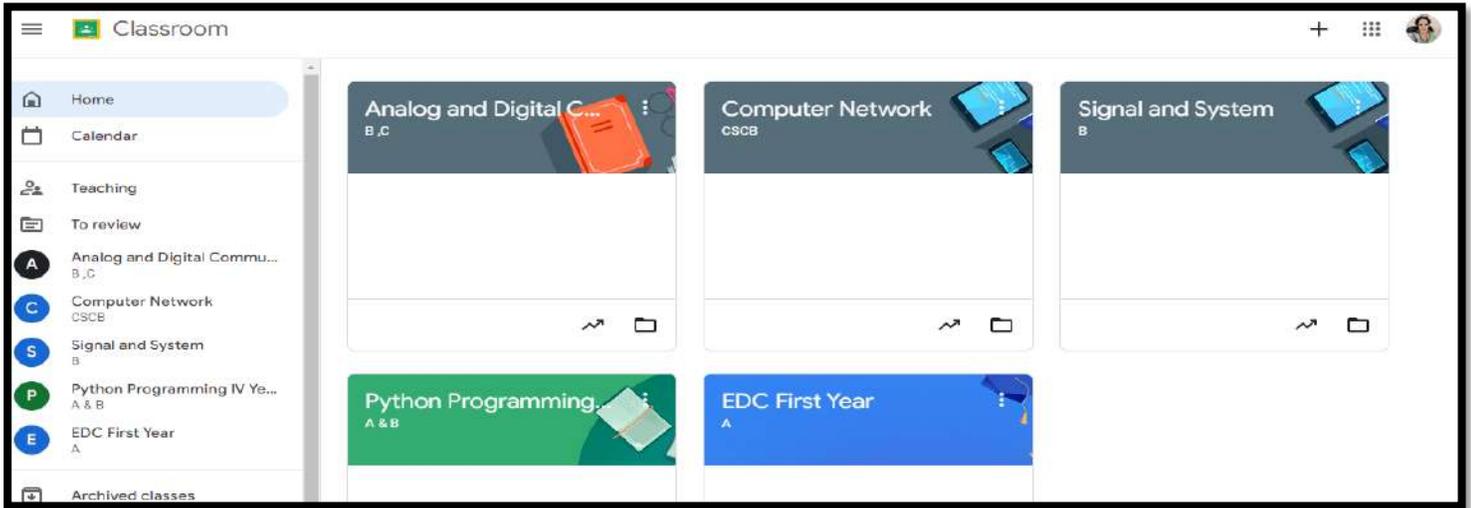
<https://elearning.iirs.gov.in/>

The screenshot displays the IRIS E-CLASS e-learning portal. At the top, the header includes the logos for the Indian Institute of Remote Sensing (IIRS), the Government of India, and the E-CLASS system. The IIRS logo features the text 'इसरो iirs' and 'INDIAN INSTITUTE OF REMOTE SENSING Indian Space Research Organisation Department of Space, Govt. of India'. The E-CLASS logo is 'E-CLASS ELECTRONIC COLLABORATIVE LEARNING AND KNOWLEDGE SHARING SYSTEM'. Below the header, there is a navigation menu on the left with options: 'Dr. Papiya Dutta', 'Ongoing Courses', 'Guidelines', 'Live Lecture', 'Offline Session', and 'Past Courses'. The main content area shows a search bar and a dropdown menu set to 'All'. Below this, four course cards are displayed, each with a lecturer's name, a date and time, a thumbnail image of a slide, and a title:

Lecturer	Date & Time	Thumbnail Description	Course Title
Dr. Poonam S. Tiwari	February 28th at 2:21pm	Image Segmentation	07 June 2018 Methods and Algorithms for Image Segmentation
Ms. Manu Mehta	February 28th at 2:21pm	Remote Sensing Process	04 Sep 2018_Basic of Remote Sensing
Dr Hina Pande	February 28th at 2:21pm	Spectral Signature	05 Sep 2018_Spectral Signature and Image Interpretation
Shri Vinay Kumar	February 28th at 2:21pm	Platforms	05 Sep 2018_Earth observation Sensor and Platforms

9. GOOGLE CLASSROOM

<https://classroom.google.com/c/NjczMzc4OTAzMDM4?cjc=2377wc7>



10. ONLINE TEACHING PLATFORM (ZOOM AND GOOGLE MEET)

