



BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)


Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

2.3.2 Teachers use ICT Enables tools for effective Teaching –Learning Process

Index

S.No	Description	Page No
1	Sample copy of Chalk Board	2
2	Sample copy of Online Teaching	3
3	Sample copy of Integrated Courses	4
4	Sample Copy of Massive Open Online Course	5
5	Sample copy of Social Media in Education	8
6	Sample copy of Ability Assessment Test	10
7	Sample Copy of WebEx Platform	11
8	Sample Copy of Google Forms	12
9	Sample Copy of Slide Share	13
10	Sample copy of Course Handouts	14


 PRINCIPAL
 BRILLIANT INSTITUTE OF
 ENGINEERING AND TECHNOLOGY
 Vill & Md: Abdullapurmet, R.R.Dist-501505.



BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

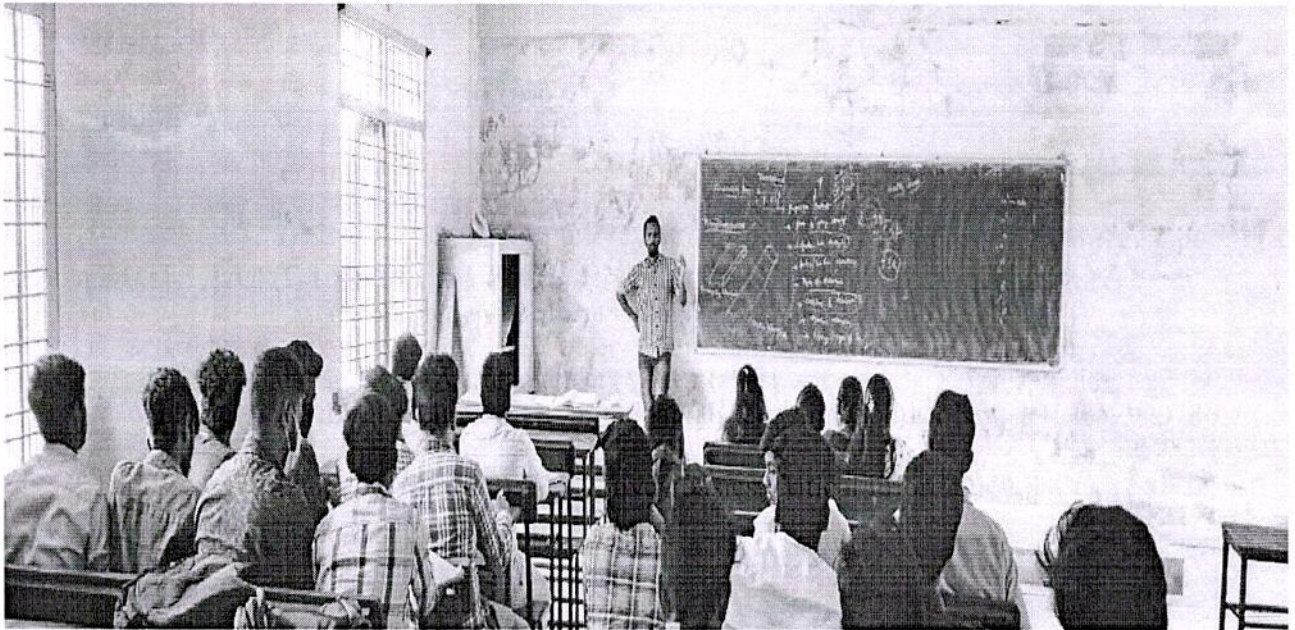
(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

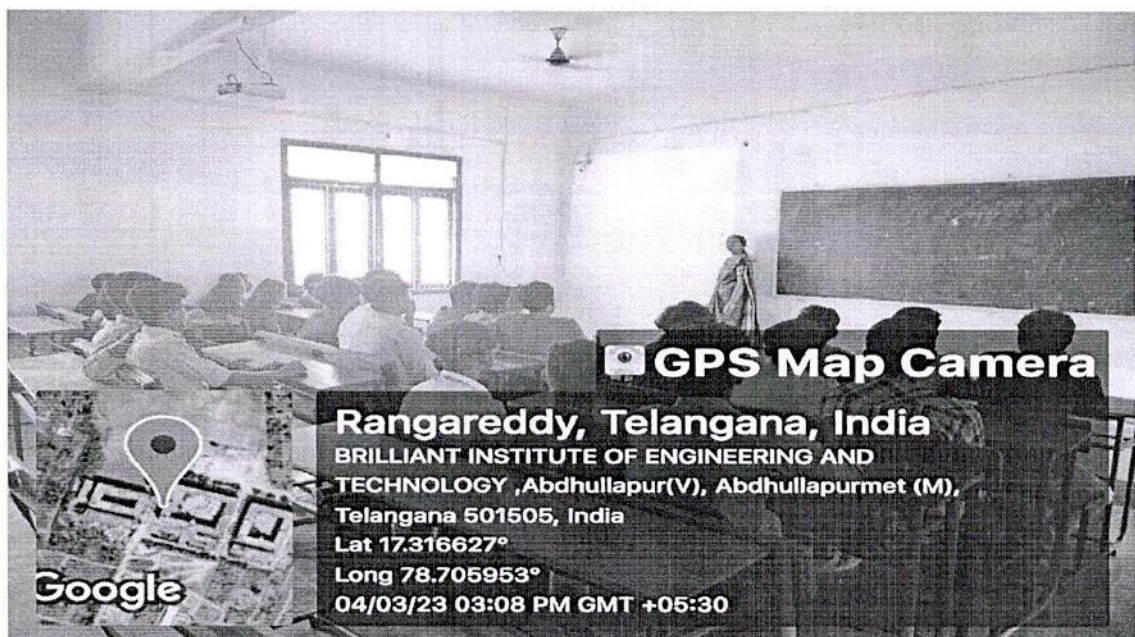
Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

1. **Chalk Board (Lecture Method):-** To convey basics, critical Information, History, Background Theories, and Equations.



Mr L Praveen Kumar Assistant Professor of Electronics and Communication Engineering Department
Explaining LINEAR AND DIGITAL IC APPLICATIONS II Year II Semester for the academic Year
2023-2024





BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

2. **Online Teaching:** Faculty made a swift transition from classroom to online teaching by using WebEx Platform



Mr M Sathish Reddy Assistant Professor of Civil Engineering Department Explaining Structural analysis-II for III Year II Semester Students for the academic Year 2023-2024 using WebEx Platform.


PRINCIPAL
BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
Vill & Md: Abdullapurmet, R.R. Dist-501505.



BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

3. **Integrated Courses:** Faculty Members of Brilliant Institute of Engineering & Technology used Virtual Labs apart from Regular laboratory tool for enhancing their skills beyond the curriculum.



Mr G Koteswar Rao Assistant Professor of Electronics and Communication Engineering Performing Digital Logic Design Lab II year I Semester.

Principal

PRINCIPAL
BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
Vill & Dist: Abdullapurmet, R.R. Dist-501505.



BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

College Code: QA

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

4. **Massive Open Online Course:**-Faculty enrolls for various courses NPTEL , SWAYAM, for better Understanding of the subject and encourages the students to get certified.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

INDURI PAVANI

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **78** %

Online Assignments	24.35/25	Proctored Exam	54/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course:32882

Jan-Apr 2024
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS35S657407564

To verify the certificate



No. of credits recommended: 3 or 4

Mrs I.Pavani Assistant Professor of ECE Department attended NPTEL online course on Internet of Things and in the A.Y.: 2023-2024

BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
Vill & Md: Abdullapurmet, R.R. Dist-501505



College Code: QA

BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

G KOTESWARA RAO

for successfully completing the course

Cloud Computing

with a consolidated score of **54** %

Online Assignments	23.56/25	Proctored Exam	30.47/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 23872

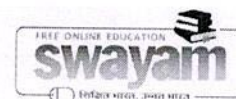
Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS17S457401762

To verify the certificate



No. of credits recommended: 3 or 4

Mr G Koteswara Rao Assistant Professor of ECE Department attended NPTEL online course on Cloud Computing and in the A.Y.: 2023-2024

PRINCIPAL
BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
V/II & M/d: Abdullapurmet, R.R. Dist - 501505, T.S.



College Code: QA

BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

CERTIFICATE OF PARTICIPATION



This is to certify that

T. Kiran Kumar

Brilliant Institute Of Engineering And Technology

has participated in the NPTEL E-Awareness workshop
on August 31, 2021

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Dr T Kiran Kumar Asst Professor of Humanities & Science attended NPTEL Workshop on E-Awareness Academic Year 2021-2022

PRINCIPAL
BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
Vill & Mts: Abdullapurmet, R.R. Dist-501505.



BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

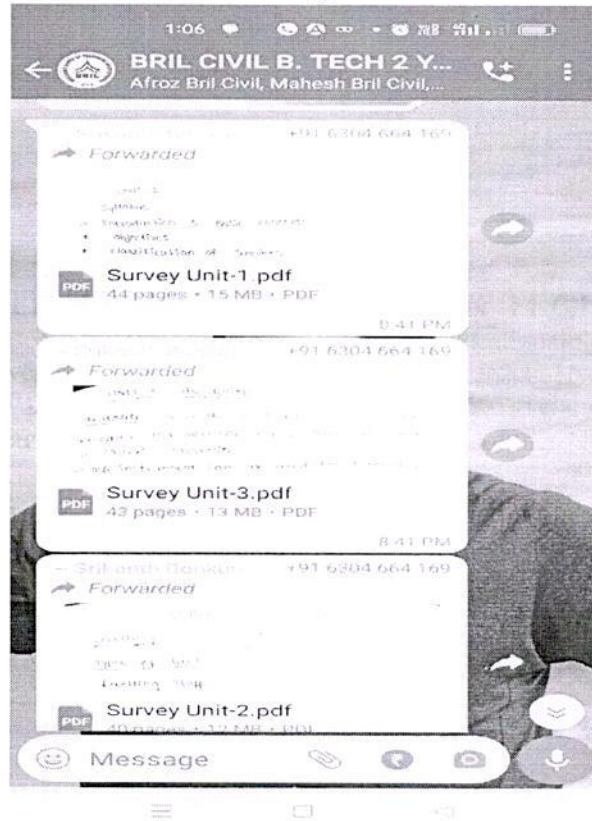
(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

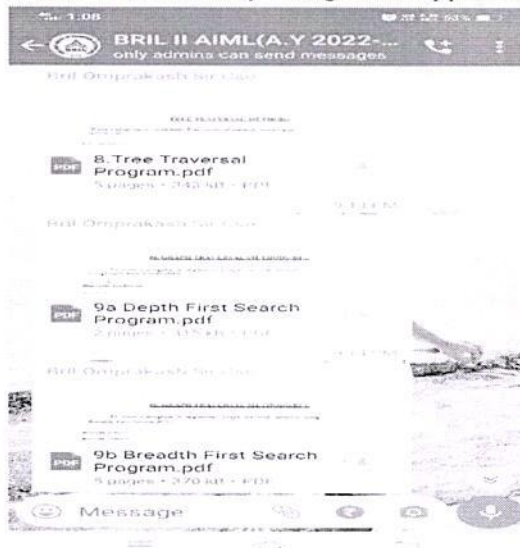
Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

5. **Social Media in Education:-** Faculty members uses social media platforms like whatsapp and Telegram to connect with the students for sharing Information.



Faculty of Civil Department shared Unit wise notes by using whatsapp social Media (A.Y. 2023-2024)



Faculty of Computer Science and Engineering (AIML) shared Unit wise notes by using whatsapp social Media (A.Y. 2023-2024)

Principal
PRINCIPAL
BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
Vill & Mdt: Abdullapurmet, R.R. Dist-501505.



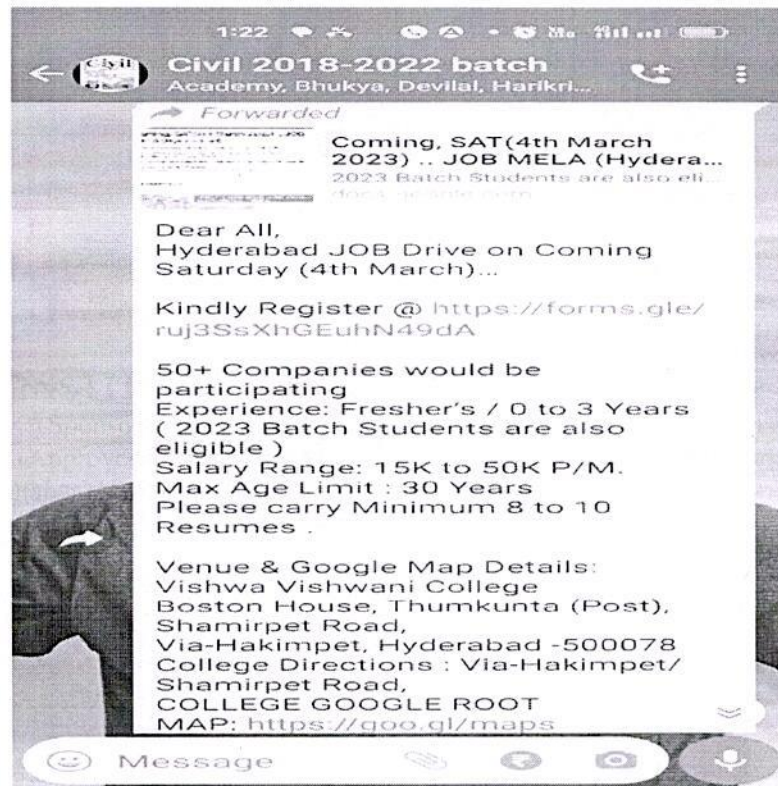
BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786



Faculty of Civil Engineering Shared Campus Drive Information using whatsapp Social Media (A.Y-2023-2024)


PRINCIPAL
BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
Vill & Md: Abdullapurmet, R.R.Dist-501505



BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

6. **Ability and Assessment Test:**-The institution provides various online platforms, like Reference Globe for training and to access the capabilities of students in analytical skills, Aptitude Skills, Technical skills.

Request for Demo

SINGLE DIGITAL CAMPUS

ReferenceGlobe, an Edu-Tech company for the first time in India is presenting a "Single Digital Campus Solution" for Universities/Colleges.

Right from the Admissions to Alumni.

Single Digital Campus

Admissions, Student Information System (SIS), Training, Higher Education, Academics, Finance Accounting, Inventory Control Module, Alumni, Student Faculty Management, NAAC NBA Accreditation.

Training and assessment Test on Aptitude & Reasoning for IV-Year I Semester Students by using Reference Globe Digital Platform (A.Y.2023-2024)

Principal
BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
V & M: Abdullapurmet, R.R. Dist-501505.



BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

7. WebEx Platform: - Faculty of Brilliant Institute of Engineering & Technology using WebEx Platform to create and manage classes, assignments, and grades online without paper and material for assignments.

The top screenshot displays a list of meeting links under the 'LINKS' tab. Each link includes a title, a description, and a meeting topic. The bottom screenshot shows a list of 16 participants in a meeting, with their names, IDs, and status icons. Below the participant list is a screen share of a presentation slide titled 'What is the Internet of Things?'. The slide contains a diagram illustrating the flow of data from 'Edge Nodes' to a 'Data Aggregator' and then to 'Exploratory Analysis'.

Faculty Members Share Screen During Classes

PRINCIPAL
BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
Via & Md: Abdullapurmet, R.R.Dist-501505.



BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

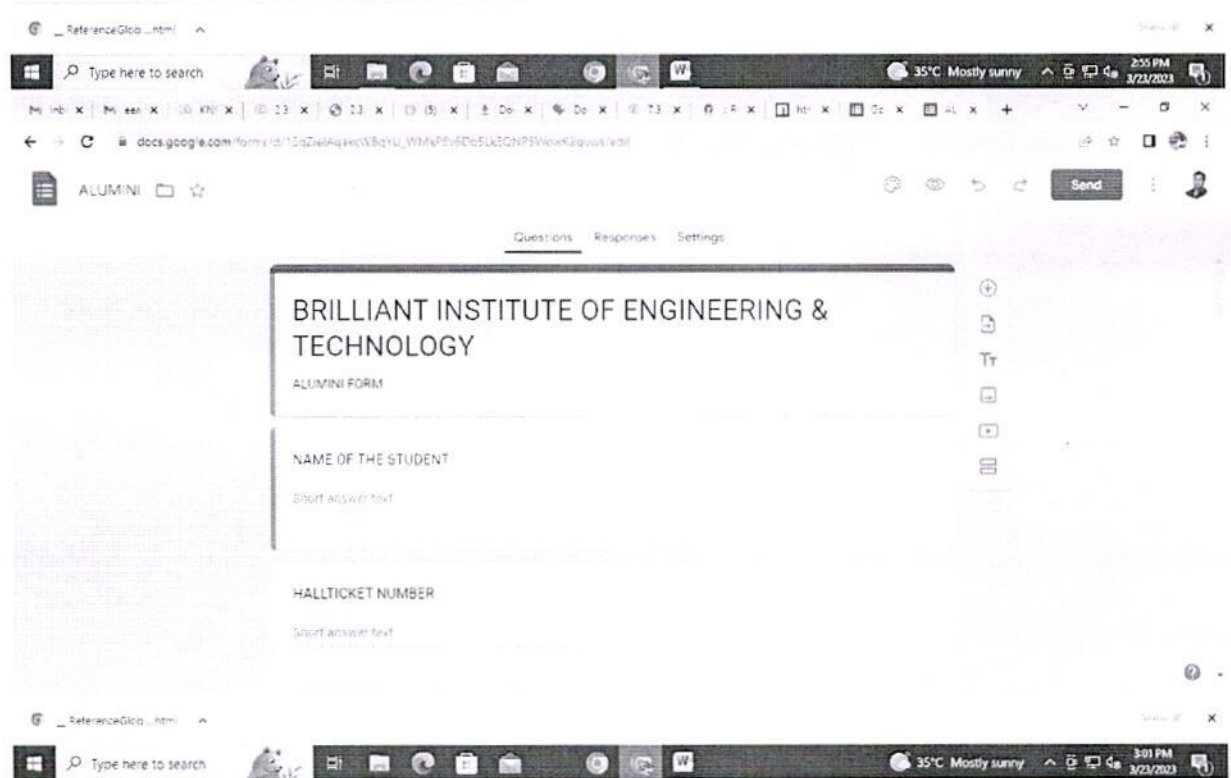
(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

- 8. Google Form :- The faculty of Brilliant Institute of Engineering & Technology using Google Forms for assessing the students for Quiz, Assignments,



Principal
 PRINCIPAL
 BRILLIANT INSTITUTE OF
 ENGINEERING AND TECHNOLOGY
 V&M: Abdullapurmet, R.R. Dist-501505.



BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

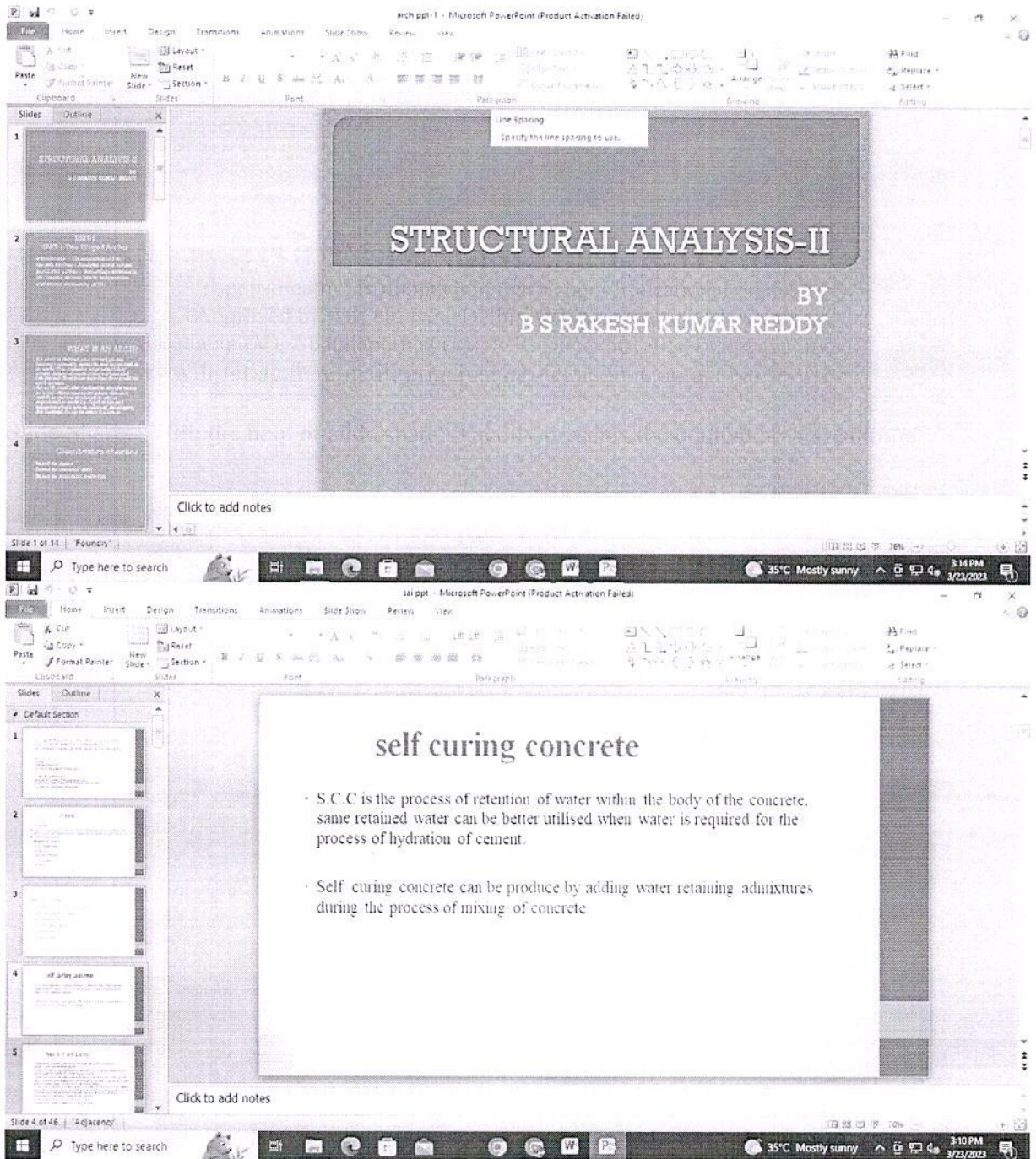
(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

9. Slide Share:- With the help of slide share , Faculty presents the content at the real time.



Faculty of Civil engineering B S Rakesh Kumar Reddy delivering Content of Structural Analysis III Year II Semester Through Slide Share (A. Y. 2023-2024)


PRINCIPAL
BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
Vill & Md: Abdullapurmet, R.R. Dist-501505



BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

10. Course Handouts:- Course Handouts Consists of Video Lectures, Lecture Notes , Assignments, Tutorial questions, And Model Question Papers.

POWER SEMICONDUCTOR DRIVES (EE701PC)

IV B Tech – I Semester [Branch: EEE]

ACADEMIC YEAR:2023-24

KOPPULA LAVANYA

Assistant Professor

Department of EEE


PRINCIPAL
BRILLIANT INSTITUTE OF
ENGINEERING AND TECHNOLOGY
V# & M#: Abdullapurmet, R.R. Dist-501505

**BRILLIANT INSTITUTE OF ENGINEERING & TECHNOLOGY**

(Sponsored by: Brilliant Grammar School Educational Society)

(Approved by AICTE, New Delhi, Affiliated to JNTU-Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R. Dist – 501505, Telangana, India

Website: www.b-iet.ac.in, e-mail: principal@b-iet.ac.in Contact No.: +919652929786

COURSE FILE CHECK LIST

S NO	CONTENTS
1	Course/Subject name
2	Prepared By-Faculty Name
3	Dept
4	A.Y/Sem
5	Class
6	V/M/PEO/POs/PSOs
7	Course Syllabus Including Course Structure
8	Course Outcomes(CO)
9	Mapping CO with PO/PSO, Course With PO /PSO, Academic Calendar
10	Time Table-Highlighting Your Course Periods including tutorial
11	Lesson Plan With number of hours/Periods, TA/TM, Text/references books
12	Gap with the Syllabus-Mapping to CO,PO/PSO
13	Gap beyond the syllabus-Mapping to PO/PSO
14	Gap addressed by a recourse person-Document
15	Gap addressed by any other teaching aid/methodology
16	Web References
17	Lecture Notes
18	List of PowerPoint Presentation/Video's
19	CD with PPT/Videos
20	University Question Papers
21	Internal Question Papers, Key with CO&BLOOMS Level of Learning(BLL)
22	Assignment question Papers mapped with CO&BLL
23	Scheme of Evaluation with CO&BLL Mapping
24	Tutorial Topics with evidence
25	Identifying a weak and Advanced Lerner before the semester start by the previous semester performance and pre-Requisite course
26	Identifying a weak and Advanced Lerner after three weeks of observations
27	Identifying a weak and Advanced Lerner after I mid
28	Remedial Class for weak Students-Schedule and evidences
29	Bright Students engagement Documentations
30	Result analysis at the end of the course
31	Course Assessment
32	CO,PO/PSO attainment
33	Observation for not Attaining CO or For Improvement
34	Plan of action to improve CO Attainment next time
35	Attendance Register
36	Course File(Digital Form)