

### Course website links : Information Science and Engineering

| Sl. No. | Faculty Name        | Course Code       | Course Name               | Course Website Link                                                                                                                                                                                                                                                         |
|---------|---------------------|-------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Dr. Hemalatha K.L   | BCS358A           | Data Analytics with Excel | <a href="https://sites.google.com/d/1uKIA6bsTQDAWVqN1UtFgc57_DcN4NKpz/p/1sDzmBTWQN42-2hL5vOCds3H0mlHdNcp/edit">https://sites.google.com/d/1uKIA6bsTQDAWVqN1UtFgc57_DcN4NKpz/p/1sDzmBTWQN42-2hL5vOCds3H0mlHdNcp/edit</a>                                                     |
|         |                     | 21CS731           | OOMD                      | <a href="https://sites.google.com/skit.org.in/8thsem/course-handout">https://sites.google.com/skit.org.in/8thsem/course-handout</a>                                                                                                                                         |
| 2       | Dr. Sandeep V.M.    | 18CS71            | AIML                      | <a href="https://sites.google.com/u/0/d/1JaPB9PvZ1631-pieM6Eogt9X3Yf0zWgs/p/1JH4fx8yyLdEvZVw_GoSqCQbImD8nfbPM/edit?pli=1&amp;authuser=0">https://sites.google.com/u/0/d/1JaPB9PvZ1631-pieM6Eogt9X3Yf0zWgs/p/1JH4fx8yyLdEvZVw_GoSqCQbImD8nfbPM/edit?pli=1&amp;authuser=0</a> |
| 3       | Mrs. Ragini Krishna | BCS304 & BCS305   | DSA                       | <a href="https://sites.google.com/skit.org.in/datastructures-/home">https://sites.google.com/skit.org.in/datastructures-/home</a>                                                                                                                                           |
|         |                     | 21CS54            | AIML                      | <a href="https://sites.google.com/skit.org.in/aiml-21cs54/home">https://sites.google.com/skit.org.in/aiml-21cs54/home</a>                                                                                                                                                   |
|         |                     | BCS401<br>BCSL404 | ADA                       | <a href="https://sites.google.com/skit.org.in/ada-bcs401/home">https://sites.google.com/skit.org.in/ada-bcs401/home</a>                                                                                                                                                     |
|         |                     | 21CS743           | Deep Learning             | <a href="https://sites.google.com/skit.org.in/dl21cs743/home">https://sites.google.com/skit.org.in/dl21cs743/home</a>                                                                                                                                                       |
| 4       | Mrs. Veena M. Naik  | 18CS753           | PAP                       | <a href="https://sites.google.com/skit.org.in/skit-oe-vii-18cs752-pap/about-faculty">https://sites.google.com/skit.org.in/skit-oe-vii-18cs752-pap/about-faculty</a>                                                                                                         |
| 5       | Mrs. Vani B.A       | BCS303            | OS                        | <a href="https://sites.google.com/skit.org.in/operating-system-bcs303?usp=sharing">https://sites.google.com/skit.org.in/operating-system-bcs303?usp=sharing</a>                                                                                                             |

|   |                    |           |                                    |                                                                                                                                                                                         |
|---|--------------------|-----------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |                    | 21IS63    | ST                                 | <a href="https://sites.google.com/skit.org.in/software-testing/home">https://sites.google.com/skit.org.in/software-testing/home</a>                                                     |
|   |                    | 21CS744   | Cryptography                       | <a href="https://sites.google.com/skit.org.in/cryptography/about-the-faculty">https://sites.google.com/skit.org.in/cryptography/about-the-faculty</a>                                   |
| 6 | Mrs. Roopa Banakar | BCS306A   | OOP with JAVA                      | <a href="https://sites.google.com/view/oop-with-java?usp=sharing">https://sites.google.com/view/oop-with-java?usp=sharing</a>                                                           |
|   |                    | BPLCK205B | Introduction to python programming | <a href="https://sites.google.com/view/pythonnotes1?usp=sharing">https://sites.google.com/view/pythonnotes1?usp=sharing</a>                                                             |
|   |                    | BIS402    | Advanced Java                      | <a href="https://sites.google.com/view/advanced-java1?usp=sharing">https://sites.google.com/view/advanced-java1?usp=sharing</a>                                                         |
| 7 | Ms. Sindhu G       | 18CS734   | UID                                | <a href="https://sites.google.com/skit.org.in/user-interface-design-18cs734/about-the-faculty">https://sites.google.com/skit.org.in/user-interface-design-18cs734/about-the-faculty</a> |
|   |                    | 21CS51    | ATC                                | <a href="https://sites.google.com/skit.org.in/21cs51-automata-theory-and-cd/about-the-faculty">https://sites.google.com/skit.org.in/21cs51-automata-theory-and-cd/about-the-faculty</a> |
| 8 | Mrs. Pradheepa J   | 21CS52    | CN                                 | <a href="https://sites.google.com/skit.org.in/networks/about-the-faculty">https://sites.google.com/skit.org.in/networks/about-the-faculty</a>                                           |
|   |                    | 21CS62    | FSD                                | <a href="https://sites.google.com/skit.org.in/full-stack/game-design">https://sites.google.com/skit.org.in/full-stack/game-design</a>                                                   |
|   |                    | BCS403    | DBMS                               | <a href="https://sites.google.com/skit.org.in/dbms4/about-the-faculty">https://sites.google.com/skit.org.in/dbms4/about-the-faculty</a>                                                 |

|    |                   |               |                           |                                                                                                                                                                                                                           |
|----|-------------------|---------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                   | BCS502        | CN                        | <a href="https://sites.google.com/skit.org.in/cn-2022-scheme/about-the-faculty">https://sites.google.com/skit.org.in/cn-2022-scheme/about-the-faculty</a>                                                                 |
|    |                   | 21IS71        | Crypto                    | <a href="https://sites.google.com/skit.org.in/cryptography/about-the-faculty">https://sites.google.com/skit.org.in/cryptography/about-the-faculty</a>                                                                     |
| 9  | Mr. Anil Kumar T  | 18CS72        | BDA                       | <a href="https://sites.google.com/skit.org.in/bigdata/home">https://sites.google.com/skit.org.in/bigdata/home</a>                                                                                                         |
|    |                   | BPLCK205B     | Python                    | <a href="https://sites.google.com/skit.org.in/python/home">https://sites.google.com/skit.org.in/python/home</a>                                                                                                           |
| 10 | Mrs. Nayana       | BET CK105H    | Introduction to IOT-1 sem | <a href="https://sites.google.com/skit.org.in/iot-2-sem/question-bank">https://sites.google.com/skit.org.in/iot-2-sem/question-bank</a>                                                                                   |
|    |                   |               | IOT                       | <a href="https://sites.google.com/skit.org.in/iot-8-sem/home">https://sites.google.com/skit.org.in/iot-8-sem/home</a>                                                                                                     |
| 11 | Mr.Sharath Babu S | 21CS61/BCS501 | SE                        | <a href="https://sites.google.com/d/16okcaVLqm2L4mUq1-wtfoFJ1WSVPcOxP/p/1Gd7azs8nC6Fh1FpGOxTfxt7C_pecCQm/edit">https://sites.google.com/d/16okcaVLqm2L4mUq1-wtfoFJ1WSVPcOxP/p/1Gd7azs8nC6Fh1FpGOxTfxt7C_pecCQm/edit</a>   |
|    |                   | BPOPS103      | PoP                       | <a href="https://sites.google.com/d/16okcaVLqm2L4mUq1-wtfoFJ1WSVPcOxP/p/11V76lofv8k43rwqTNShFbGnFjkC3bAeD/edit">https://sites.google.com/d/16okcaVLqm2L4mUq1-wtfoFJ1WSVPcOxP/p/11V76lofv8k43rwqTNShFbGnFjkC3bAeD/edit</a> |

Sem. 2023 - 2024

| Date     | Faculty name   | Sem  | Time                 | Subject   | ICT Tools usage                |
|----------|----------------|------|----------------------|-----------|--------------------------------|
| 26/9/23  | Dr. Sandeep VM | 7    | 9-11                 | AIML      | Projector, Board.              |
| 27/9/23  | Anil Kumar-T   | 7    | 9-10                 | Big data. | Projector, Board               |
| 28/9/23  | Dr. Sandeep VM | 7    | 9:50-10:50           | AIML      | Proj. Board.                   |
| 3/9/23   | "              | 7    | 9:55-10:50           | ATLM      | "                              |
| 3/9/23   | Anil Kumar-T   | 7    | 11-11:50             | Big data  | Projector                      |
| 4/9/23   | " "            | 7    | 9-9:55               | Big data  | " "                            |
| 4/9/23   | Sandeep VM     | 7    | 11:55-12:50          | AIML      | Proj, Board                    |
| 25/9/23  | Sindhu-G       | VII- | 11:00am              | UID       | Projector, Board               |
| 27/9/23  | " —            | VII  | 11:00am              | UID       | " —                            |
| 03/10/23 | " —            | VII  | 1:30pm               | UID       | " —                            |
| 4/10/23  | " —            | VII  | 11:00am              | UID       | " —                            |
| 5/10/23  | Sandeep VM     | 7    | 1:30pm<br>9:55-10:50 | AIML      | Proj Board                     |
| 6/10/23  | Anil           | 7    | 10-10:50             | Big data  | Proj Board                     |
| 10/10/23 | Sindhu-G       | VII  | 11-11:55am           | UID       | Proj Board<br>Projector, Board |



10/10/23  
18/10/23

Sindhu G  
Anil

VII 1:30 PM UID  
VII 9:00 AM Big data

Projector  
PPT

2/11/23

Nayana

I 12:12:50 IOT

Projector

06/11/23

Sindhu

VII 11:00 am UID

Projector, Board

9/11/23

Sindhu

VII 9:00 am UID

Projector, Board

15/11/23

Sindhu

VII 10:00 am UID

Projector, Board

28/11/23

Pradheepa

V 11:55 am CN

Projector

29/11/23

Pradheepa

V 9:00 AM CN

Projector

29/11/23

Nayana

I Sem 12:12:50 IOT

Projector

01/12/23

Sindhu

V Sem 9:00 - 9:50 am ATC

Smart Board

01/12/23

Dr. K. SATISH

V Sem 9:55 - 10:50 am RM

04/12/23

Pradheepa J

V 9:00 - 9:55 CN

Projector

17/12/23

Nayana

I Sem 11:00 - 12:55 IOT

Projector

5/12/23

Pradheepa J

V Sem 10:55 - 12:50 CN

Projector

5/12/23

Sindhu  
Regini Krishne

V Sem 1:30 - 3:30 ATC

Smart Board

5/12/23

V Sem 2:30 - 4:30 AIML

Projector



|           |                |                     |                    |        |              |
|-----------|----------------|---------------------|--------------------|--------|--------------|
| 6/12/2023 | Scitish        | V Sem               | 9:55 - 10:50       | Rm     | Projector    |
| 7/12/2023 | Ragini Krishna | V Sem               | 9:00 - 10:50       | AIML   | projector    |
| 8/12/2023 | Sindhu         | V Sem               | 9:00 am - 10:50 am | ATC    | Projector    |
| 8/12/2023 | Dr. R. SATHIA  | V Sem               | 9:55 - 10:50 am    | RM2IPR | —            |
| 12/12/23  | Ramya. A V     | 5 <sup>th</sup> Sem | 1:30 to 2:30       | IS     | —            |
| 12/12/23  | Ragini Krishna | 5 <sup>th</sup> Sem | 3:50 - 4:50        | AIML   | —            |
| 13/12/23  | RM2IPR         | V Sem               | 9:55 - 10:50       | IS     | —            |
| 14/12/23  | —              | —                   | —                  | —      | —            |
| 18/12/23  | Pradheepa J    | V Sem               | 9:00 - 9:55        | CN     | —            |
| 19/12/23  | Vani B.A.      | III Sem             | 9 - 9:55 AM        | O.S    | —            |
| 19/12/23  | Pradheepa J    | V Sem               | 11 - 11:55         | CN     | —            |
| 19/12/23  | Ramya A.V      | 5 <sup>th</sup> Sem | 11:30 to 2:30      | IS     | —            |
| 19/12/23  | Sindhu         | V Sem               | 2:30 - 3:30 pm     | IS     | —            |
| 19/12/23  | Ragini Krishna | V Sem               | 3:30 - 4:30        | IS     | Smart Board. |
| 20/12/23  | Nayana         | V Sem               | 11:55 - 12:50      | AIML   | Projector    |



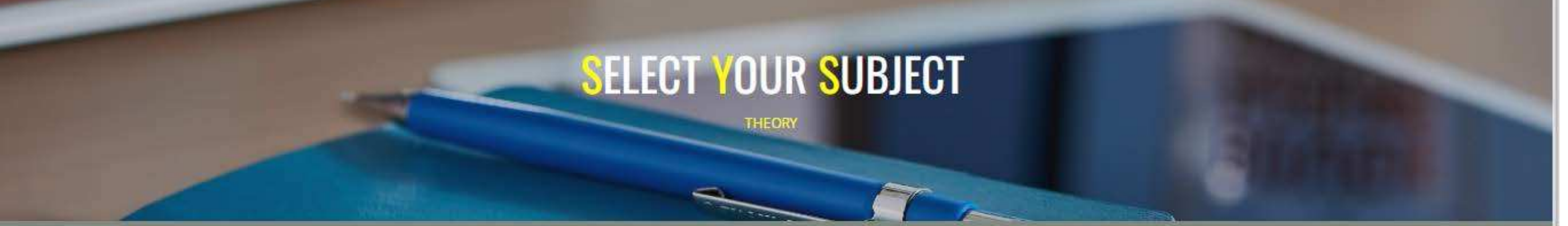
|          |                |         |                                |               |            |
|----------|----------------|---------|--------------------------------|---------------|------------|
| 21/12/23 | Ragini krishna | V Sem   | 9.00 - 9.55                    | AIML          | Projector  |
| 25/12/23 | Vani B.A.      | III Sem | 12 - 1 PM                      | OS            | ① her      |
| 28/12/23 | Ragini krishna | V Sem   | 9.00 - 9.55                    | AIML          | projector  |
| 29/12/23 | Ragini krishna | V Sem   | 11.00 - 11.55                  | AIML          | projector  |
| 2/1/24   | Vani B.A.      | III Sem | 9 - 10 AM                      | <del>OS</del> | Projector  |
| 2/1/24   | Pradheepa J    | V Sem   | 11 - 11:55 AM                  | CN            | Projector. |
| 2/1/24   | Ragini krishna | V Sem   | 3.30 - 4.20 PM                 | AIML          | projector  |
| 24/5/24. | Shanath Babu.S | VI Sem. | 11:00 to 11:55 AM              | SE            | Projector. |
| 25/5/24  | Shanath Babu.S | VI Sem  | 9 to 9:55 AM                   | SE            | Projector. |
| 27/5/24  | Shanath Babu.S | VI Sem  | 9 to 9:55 to<br>11:30 to 12:30 | SE            | Projector. |

I [Imran Ulla Khan](#), Assistant Professor, Department of Computer Science and Engineering, Sri Krishna Institute of Technology, Bangalore. I have 15 years of teaching experience, i have taught many technical subjects subjects like C, C++, JAVA, Python, DBMS, Networks, Cyber Security, Web Development (HTML,CSS,Javascript,PHP). I have published 8 technical papers in various reputed journals and presented 5 research papers in National and International national conferences. Conducted and Co-ordinated various technical events and activities for students. My area of interest is Image Processing and Machine Learning. [more information](#)

Achievements

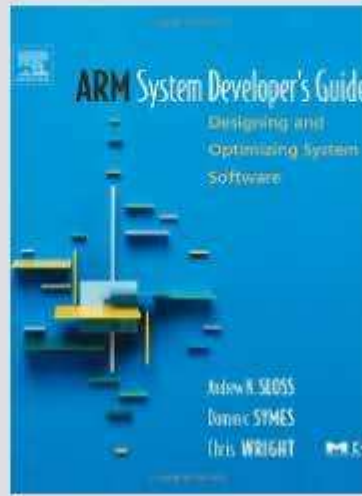
|                                                          |    |               |
|----------------------------------------------------------|----|---------------|
| Paper published in International and National journals   | 08 | Notifications |
| Paper presented in International and National conference | 05 |               |
| Faculty Development Programmes and Workshops Organized   | 07 |               |
| Seminar / Webinar Organized                              | 05 |               |
| Conference and Technical Symposium Organized             | 03 |               |
| Industrial Visit Organized                               | 02 |               |
| As a Resource person for various events                  | 09 |               |
| Faculty Development Programmes and Workshops attended    | 35 |               |
| Seminar / Webinar attended                               | 22 |               |
| Training Programmes attended                             | 02 |               |





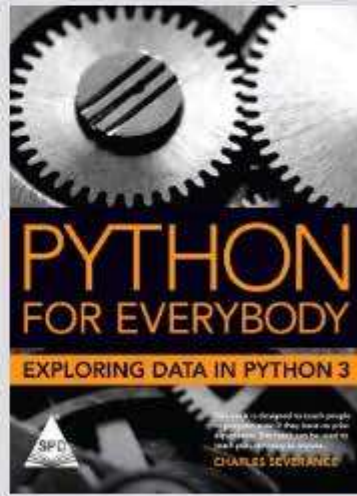
THEORY SUBJECTS

Select your Theory Subject



MES/21CS43

Microcontroller and Embedded systems



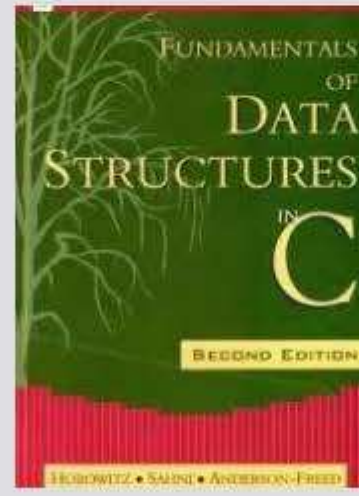
Python/18CS752

Python Application Programming



SSC/18CS61

System Software and Compilers



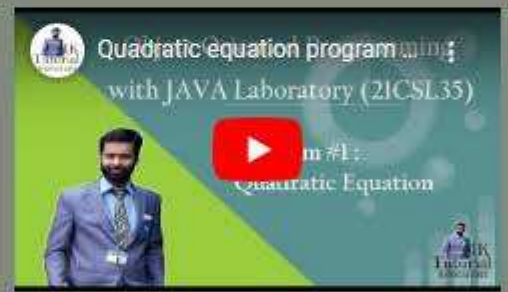
DSA/18CS32

Data Structure and its Applications

# LABORATORY VIDEOS

21CSL35 - Object Oriented Programming with JAVA Laboratory

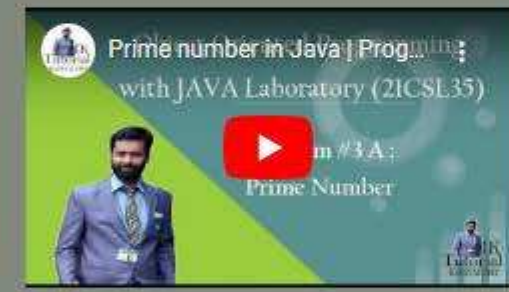
## OBJECT ORIENTED PROGRAMMING WITH JAVA LABORATORY VIDEOS



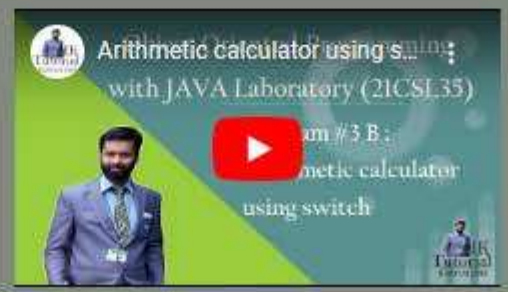
PROGRAM #1



PROGRAM #2



PROGRAM #3A



PROGRAM #4



PROGRAM #5A







# SRI KRISHNA INSTITUTE OF TECHNOLOGY

(Accredited by NAAC, Approved by A.I.C.T.E. New Delhi, Recognised by Govt. of Karnataka & Affiliated to V.T.U., Belagavi)  
#29, Chimney Hills, Hesaraghatta Main Road, Chikkabanavara Post, Bengaluru- 560090

jamboard.google.com/d/1eqleiml6m/SbMUb9r6Kpb4s8IG\_68IYFSbWGNu48KVE/viewer?f=0

Untitled Jam

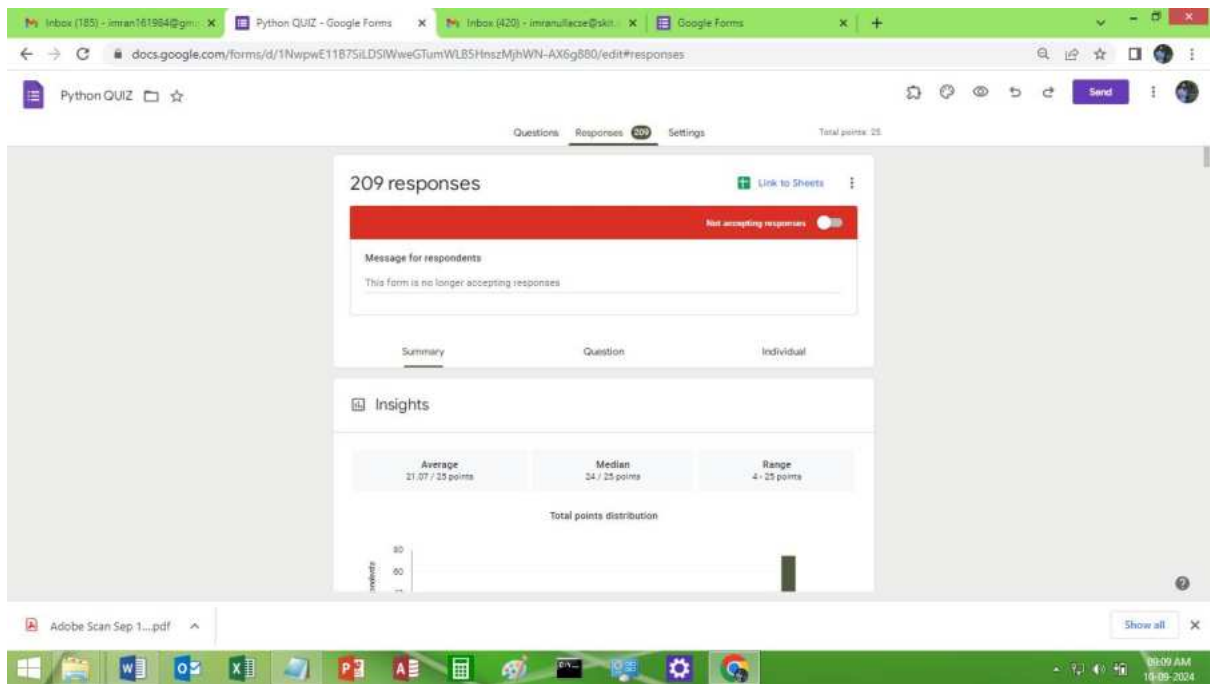
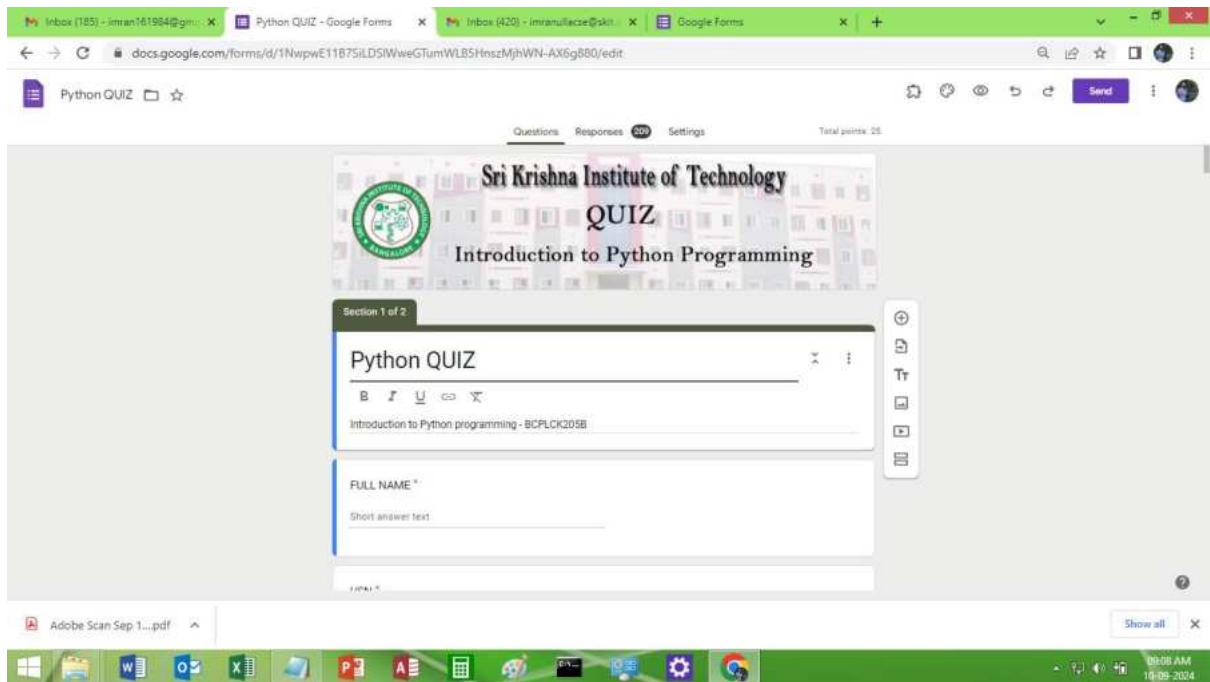
Set background Clear frame

Open on a Jamboard

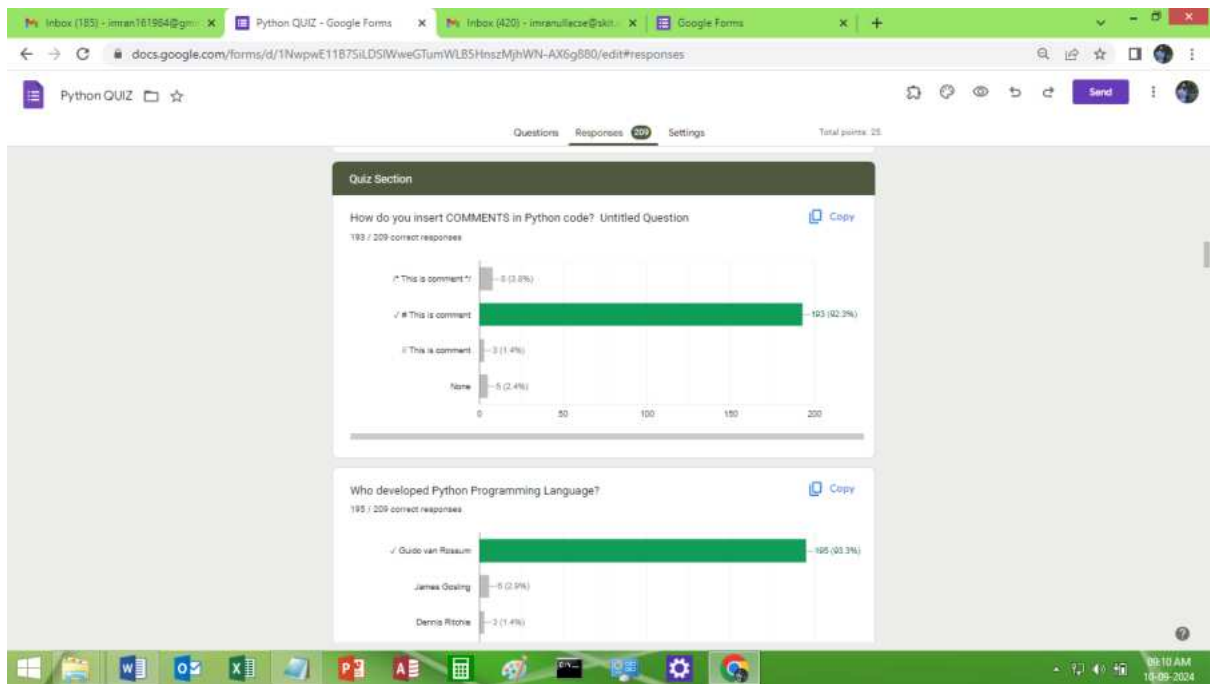
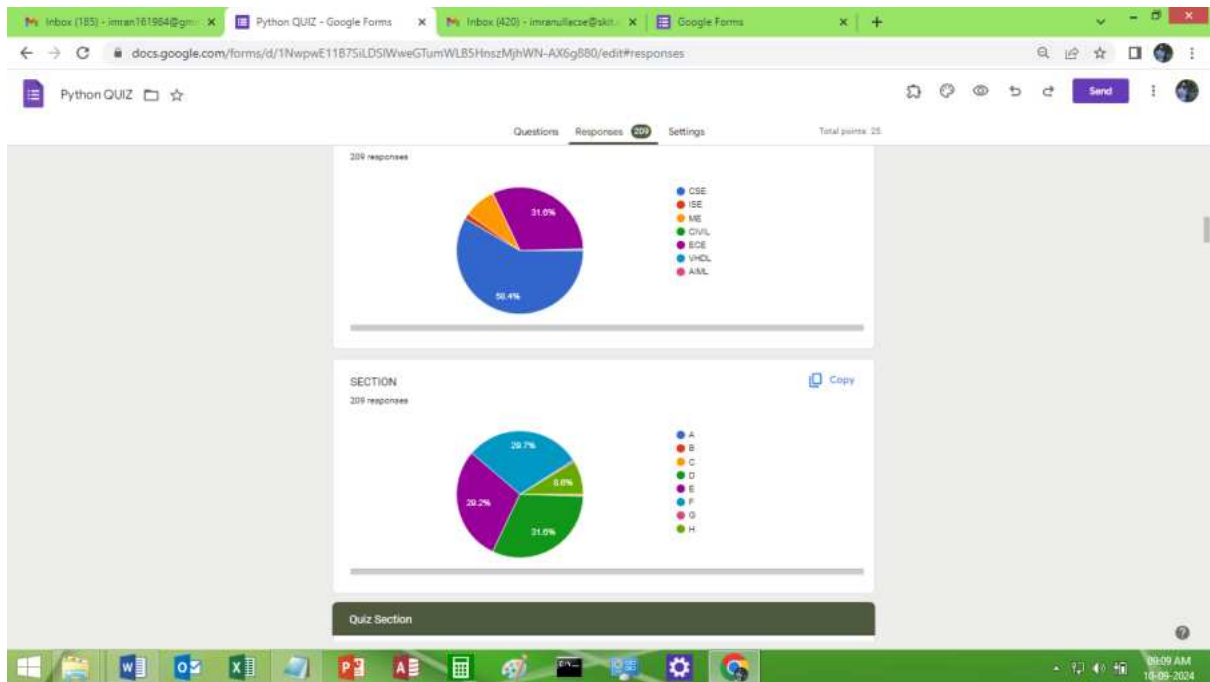
len(Li) len(C)  
4  
Sentence welcome to Sriat 56090  
Li = Sentence.split(' ')  
Li = [welcome, to, Sriat, 56090]

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Show all







5th Sem

← → ↻ sites.google.com/d/1mj7eR7\_OPiPwU7esMRgM7Y7Nv8GzYzg/p/14qXLXlnyskDYCPjnUeeM0q64jj4URmS/edit

 5th Sem

About the faculty

About the course

Lecture Videos

Lecture Notes

CIE MARKS & ATTENDANCE

More ▾

🔍

# BEST PRACTICES

Jeopardy game for students

| Information Theory | Source Coding | Information Channels | Error Control Coding | Convolution codes |
|--------------------|---------------|----------------------|----------------------|-------------------|
| 100                | 100           | 100                  | 100                  |                   |
| 200                | 200           | 200                  | 200                  |                   |

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26°C 17-06-2024



# SRI KRISHNA INSTITUTE OF TECHNOLOGY

No. 29, Chimney Hills, Hesaraghatta main road Chikkabanavara Post -Bangalore

## Department of Mechanical Engineering

### Course Website Links

A.Y. 2023-24 (Even Sem)

#### IV Sem

| SLNO | COURSE CODE | COURSE NAME                          | SEM | THEORY / PRACTICAL | FACULTY IN-CHARGE                           | COURSE WEBSITE LINK                                                                                                                                     |
|------|-------------|--------------------------------------|-----|--------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | BME401      | Applied Thermodynamics               | 4 A | THEORY             | Dr. Krishnegowda B M                        | <a href="https://shorturl.at/c9hJk">https://shorturl.at/c9hJk</a>                                                                                       |
| 2    | BME402      | Machining Science & Metrology        | 4 A | THEORY             | Mr. Dinesh P                                | <a href="https://sites.google.com/skit.org.in/msm-23-24/about-the-faculty">https://sites.google.com/skit.org.in/msm-23-24/about-the-faculty</a>         |
| 3    | BME403      | Fluid Mechanics                      | 4 A | THEORY             | Mr. Rajesh S C                              | <a href="https://t.ly/0cZy">https://t.ly/0cZy</a>                                                                                                       |
| 4    | BME404      | Mechanical Measurements and Metrolog | 4 A | PRACTICAL          | Mr. Dinesh P                                | <a href="https://sites.google.com/skit.org.in/mmm-lab-23-24/about-the-faculty">https://sites.google.com/skit.org.in/mmm-lab-23-24/about-the-faculty</a> |
| 5    | BME405A     | Non Traditional Machining            | 4 A | THEORY             | Mr. Mohan Kumar A R /<br>Mr. Chandraiah M T | <a href="https://shorturl.at/8n2o3">https://shorturl.at/8n2o3</a>                                                                                       |
| 7    | BBOK407     | Biology For Engineers                | 4 A | THEORY             | Mr. Vishwa Pavan S                          | <a href="https://sites.google.com/d/1UOsKuPF49hzZnrtoGERyWk2RTd8sehT1/edit">https://sites.google.com/d/1UOsKuPF49hzZnrtoGERyWk2RTd8sehT1/edit</a>       |
| 8    | BUHK408     | Universal human values course        | 4 A | THEORY             | Mrs. Ramya A V                              | <a href="https://sites.google.com/skit.org.in/dsdfs/cie-see-question-papers">https://sites.google.com/skit.org.in/dsdfs/cie-see-question-papers</a>     |

#### VI Sem

| SLNO | COURSE CODE | COURSE NAME                          | SEM | THEORY / PRACTICAL | FACULTY IN-CHARGE     | COURSE WEBSITE LINK                                                                                                                               |
|------|-------------|--------------------------------------|-----|--------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 21ME61      | Production and Operations Management | 6A  | THEORY             | Mr. Dinesh P          | <a href="https://sites.google.com/skit.org.in/pom--23-24/about-the-faculty">https://sites.google.com/skit.org.in/pom--23-24/about-the-faculty</a> |
| 2    | 21ME62      | Heat Transfer                        | 6A  | THEORY             | Dr. Krishne Gowda B M | <a href="https://tinyurl.com/2ydycjar">https://tinyurl.com/2ydycjar</a>                                                                           |
| 3    | 21ME63      | Machine design                       | 6A  | THEORY             | Prof. Sreenivasan A   | <a href="https://tinyurl.com/4n4kt2r4">https://tinyurl.com/4n4kt2r4</a>                                                                           |
| 4    | 21ME643     | Autonomous vehicles                  | 6A  | THEORY             | Mr. Appese S D        | <a href="http://surl.li/tjmyq">http://surl.li/tjmyq</a>                                                                                           |
| 5    | 21CV652     | Traffic Engineering                  | 6A  | THEORY             | Mr. Manjunath V       | <a href="https://sites.google.com/skit.org.in/traffic-engineering/home">https://sites.google.com/skit.org.in/traffic-engineering/home</a>         |
| 6    | 21MEL66     | CNC Programming and 3-D Printing Lab | 6A  | PRACTICAL          | Mr. Pramod S N        | <a href="https://sites.google.com/skit.org.in/cam-lab/about-the-faculty">https://sites.google.com/skit.org.in/cam-lab/about-the-faculty</a>       |

#### VIII Sem

| SLNO | COURSE CODE | COURSE NAME            | SEM | THEORY / PRACTICAL | FACULTY IN-CHARGE | COURSE WEBSITE LINK                                                                                                                     |
|------|-------------|------------------------|-----|--------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 18ME81      | Energy Engineering     | 8A  | THEORY             | Mr. Pramod S N    | <a href="https://sites.google.com/skit.org.in/18me81-energy-engg/home">https://sites.google.com/skit.org.in/18me81-energy-engg/home</a> |
| 2    | 18ME824     | Automobile Engineering | 8A  | THEORY             | Mr. Appese S D    | <a href="https://sites.google.com/skit.org.in/appu/about-the-faculty">https://sites.google.com/skit.org.in/appu/about-the-faculty</a>   |

*Dr. D.*  
HOD  
Head of the Department  
Mechanical Engineering  
SKIT, Bangalore - 90.





# SRI KRISHNA INSTITUTE OF TECHNOLOGY

No. 29, Chimney Hills, Hesaraghatta main road Chikkabanavara Post -Bangalore

## Department of Mechanical Engineering

### Course Website Links

A.Y. 2023-24 (ODD Sem)

#### III Sem

| SLNO | COURSE CODE | COURSE NAME                                            | SEM | THEORY / PRACTICAL | FACULTY IN-CHARGE   | COURSE WEBSITE LINK                                                                                                                           |
|------|-------------|--------------------------------------------------------|-----|--------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | BME301      | Mechanics of Materials                                 | 3A  | Theory             | Mr. Chandraiah M T  | <a href="https://shorturl.at/dxyT9">https://shorturl.at/dxyT9</a>                                                                             |
| 2    | BME303      | Material Science and Engineering                       | 3A  | Theory             | MR. PRAMOD S N      | <a href="HTTPS://TINYURL.COM/MR3FPAYV">HTTPS://TINYURL.COM/MR3FPAYV</a>                                                                       |
| 3    | BME304      | Basic Thermodynamics                                   | 3A  | THEORY             | Mr. Rajesh s c      | <a href="HTTPS://TINYURL.COM/BDD6PBXS">HTTPS://TINYURL.COM/BDD6PBXS</a>                                                                       |
| 4    | BMEL305     | Introduction to Modelling and Design for Manufacturing | 3A  | Practical          | Mr. A R Mohan Kumar | <a href="HTTPS://TINYURL.COM/3N6MFMJX">HTTPS://TINYURL.COM/3N6MFMJX</a>                                                                       |
| 5    | BME306A     | Electric and Hybrid Vehicle Technology                 | 3A  | THEORY             | MR. APPESE S D      | <a href="https://sites.google.com/skit.org.in/asdevh y/about-the-faculty">https://sites.google.com/skit.org.in/asdevh y/about-the-faculty</a> |

#### V Sem

| SLNO | COURSE CODE | COURSE NAME                              | SEM | THEORY / PRACTICAL | FACULTY IN-CHARGE     | COURSE WEBSITE LINK                                                                                                                     |
|------|-------------|------------------------------------------|-----|--------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 21ME51      | Theory of Machines                       | 5A  | Theory             | Mr. Chandraiah M T    | <a href="https://shorturl.at/fCFQW">https://shorturl.at/fCFQW</a>                                                                       |
| 2    | 21ME52      | Thermo-fluids Engineering                | 5A  | Theory             | Mr. Rajesh S C        | <a href="https://sites.google.com/skit.org.in/vsemme/home">https://sites.google.com/skit.org.in/vsemme/home</a>                         |
| 3    | 21ME53      | Finite Element Analysis                  | 5A  | Theory             | Dr. Krishne Gowda B M | <a href="https://tinyurl.com/2s4j6rfr">https://tinyurl.com/2s4j6rfr</a>                                                                 |
| 4    | 21ME54      | Modern Mobility and Automotive Mechanics | 5A  | Theory             | Mr. Appese S D        | <a href="https://sites.google.com/skit.org.in/appes/about-the-faculty">https://sites.google.com/skit.org.in/appes/about-the-faculty</a> |
| 5    | 21MEL55     | Design lab                               | 5A  | Practical          | Mr. Dinesh P          | <a href="http://tinyurl.com/3jehh857">http://tinyurl.com/3jehh857</a>                                                                   |

#### VII Sem

| SLNO | COURSE CODE | COURSE NAME            | SEM | THEORY / PRACTICAL | FACULTY IN-CHARGE                                        | COURSE WEBSITE LINK                                                                                                                                |
|------|-------------|------------------------|-----|--------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 18ME71      | Control Engg.          | 7A  | Theory             | DR. KRISHNEGOWDA B M                                     | <a href="https://tinyurl.com/txa7wtt7">https://tinyurl.com/txa7wtt7</a>                                                                            |
| 2    | 18ME72      | CAD & M                | 7A  | THEORY             | PRAMOD S N                                               | <a href="HTTPS://TINYURL.COM/4Z4NDU6N">HTTPS://TINYURL.COM/4Z4NDU6N</a>                                                                            |
| 3    | 18ME734     | TQM                    | 7A  | THEORY             | DINESH P                                                 | <a href="https://tinyurl.com/bddrpber">https://tinyurl.com/bddrpber</a>                                                                            |
| 4    | 18ME741     | Additive Manufacturing | 7A  | THEORY             | PRAMOD S N                                               | <a href="https://tinyurl.com/69xj7c3m">https://tinyurl.com/69xj7c3m</a>                                                                            |
| 5    | 18ME751     | Energy & Environment   | 7A  | THEORY (OE)        | MR. APPESE S D<br>MR. RAJESH S C<br>DR. KRISHNEGOWDA B M | <a href="https://tinyurl.com/yv53mrwb">https://tinyurl.com/yv53mrwb</a><br><a href="https://tinyurl.com/4xk3unec">https://tinyurl.com/4xk3unec</a> |
| 6    | 18MEL76     | CIM LAB                | 7A  | Practical          | PRAMOD S N                                               | <a href="https://tinyurl.com/56b97dc3">https://tinyurl.com/56b97dc3</a>                                                                            |
| 7    | 18ME77      | Design Lab             | 7A  | Practical          | DINESH P                                                 | <a href="http://tinyurl.com/3jehh857">http://tinyurl.com/3jehh857</a>                                                                              |

Head of the Department  
Mechanical Engineering  
SKIT, Bangalore - 90.

4TH SEM

sites.google.com/d/1FsC9l8c1VFpLhamwy9o2aDz9cWtesm8R/p/1K6Sc65lUdgFVbbfgY7W9jEftMz8PsDPk/edit

 Sri Krishna Institute of Technology  
Established in 1983, A NAAC Accredited Institute

4TH SEM

Home About the course Question Bank Lectures videos Lecture Notes



# Signals & Systems

ABOUT THE FACULTY



Kiranmayi M, Asst Professor, Department of Electronics and Communication Engineering, Sri Krishna Institute of Technology, Bangalore. I have total of 12 years of Teaching experience, I have Published a Paper in national journal. I have co-edited books, participated in many National level workshops and FDP's and have participated in many National level workshops and FDP's on Signal processing, Learning, training, research and innovation.

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## ABOUT THE FACULTY



I, **MANJUNATH V**, Assistant professor in department of Civil Engineering at Sri Krishna Institute of Technology, specialized in Highway Technology and having an experience of 5 years in teaching profession. I am interested in research in the field of pavement materials and concrete.



MANJUNATH V

[manjunathcivil@skit.org.in](mailto:manjunathcivil@skit.org.in)

7059069734



## SYLLABUS

16-2-2023

| RENEWABLE ENERGY SOURCES                                                                                                                                                                                                                                                                                                                                                        |                |             |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|-----|
| Course Code:                                                                                                                                                                                                                                                                                                                                                                    | BETCK105E/205E | CIE Marks   | 50  |
| Course Type<br>(Theory/Practical/Integrated)                                                                                                                                                                                                                                                                                                                                    | Theory         | SEE Marks   | 50  |
| Teaching Hours/Week (L:T:P:S)                                                                                                                                                                                                                                                                                                                                                   | 3:0:0:0        | Total Marks | 100 |
| Total Hours of Pedagogy                                                                                                                                                                                                                                                                                                                                                         | 40 hours       | Exam Hours  | 03  |
|                                                                                                                                                                                                                                                                                                                                                                                 |                | Credits     | 03  |
| <b>Course objectives</b> <ul style="list-style-type: none"><li>To understand energy scenario, energy sources and their utilization.</li><li>To explore society's present needs and future energy demands.</li><li>To Study the principles of renewable energy conversion systems.</li><li>To exposed to energy conservation methods.</li></ul>                                  |                |             |     |
| <b>Teaching-Learning Process</b> <p>These are sample Strategies, which teacher can use to accelerate the attainment of the various course outcomes and make Teaching-Learning more effective</p> <ol style="list-style-type: none"><li>Use pie chart showing distribution of renewable energy sources.</li><li>Use wind turbine model.</li><li>Use sun path diagrams.</li></ol> |                |             |     |

# Lecture Notes

RENEWABLE ENERGY SOURCES

Module-1

**INTRODUCTION**

**ENERGY**

Energy is the capacity of a physical system to do work. It is denoted by ' $E$ '. The standard unit is joules.

Energy comes in two basic forms:

**Potential Energy** is any type of stored energy. It can be chemical, nuclear, gravitational, or mechanical.

- Gravitational energy is the potential energy held by an object because of its high position compared to a lower position. In other words, it is energy associated with gravity or gravitational force. For example, a pen being held above a table has a higher gravitational potential than a pen sitting on the table.
- Chemical energy is stored in the bonds between the atoms in compounds. This stored energy is transformed when bonds are broken or formed through chemical reactions.



# Question Papers

BETCK105E/205E

Model Question Paper - 1 with effect from 2022-23(CBCS Scheme)

USN

First Semester B.E. Degree Examination  
RENEWABLE ENERGY SOURCES

TIME: 03 Hours

Max. Marks: 100

Note: Answer any FIVE full questions, choosing at least ONE question from each MODULE.

## Module - 1

|     |                                                                                                                                |   |
|-----|--------------------------------------------------------------------------------------------------------------------------------|---|
| (a) | Define hour angle, latitude angle, zenith angle, declination angle, and solar altitude angle with formula and relevant figure. | 5 |
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## RH Course website

Home

Study Material



Name : Ms.RAMYA H  
Designation : ASSISTANT PROFESSOR  
Qualification : B E, MTech  
Department : Artificial Intelligence & Machine Learning  
Email-Id : ramyahalm@akit.org.in  
Date of Joining Institution(SKIT) : April 2021

Area of Interest : Computer Networks

Dedicated, resourcefull and goal-driven professional educator with a solid commitment to the academic growth and development of every student in the class. Committed to professional ethics and standards of practice .



### Vision

To bring forth technically proficient, skilled and industry ready engineers in the field of Artificial Intelligence and Machine Learning

### Mission

- Facilitate modern infrastructure and versatile learning resources to produce self-sustainable
- Facilitate project based learning and skill upgradation through industry collaborations

Indica (5,437) - ramya.hairi@cl...RH Course website

←→↻sites.google.com/d/1KV8TlMnvz8LVkOCn539IMd6OVa7SyqR/p/1p4ikHfm6vDFXvYgUo7PihR3pXTI88uHr/edit

☆☰🔍All Bookmarks

RH Course website

Home

^ Study Material

^ THEORY

✓ 18 Scheme-SUBJECTS

✓ 21 Scheme-SUBJECTS

✓ 22 Scheme-SUBJECTS

✓ LABORATORY

THEORY

18 SCHEME

21SCHEME

Mr. Ramya H

Assistant Professor, Department of AIML

SKIT, Bangalore

CONTACT:8867753512

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11:13

25-09-2024

sites.google.com/d/1Kv8T1Mnvz8LVkOCn539IMd6QVc7SyqR/p/1IFVvtyYKKWdyRKxG6uZsoYdm8sqXrBg/edit

RH Course website

All changes saved in Drive

Publish

# 18SCHEME-SUBJECTS

Complete Reference

HTML & CSS

Fifth Edition

- Design modern, mobile-based Web pages
- Learn markup and CSS best practices
- Deliver optimum client-side experience

COVERS HTML5

Data Communications and Networking

Fourth Edition

Imran Bashir  
Mastering Blockchain

Distributed ledger technology, decentralization and smart contracts explained

Second Edition - Fully revised and updated

Insert

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CONTENT BLOCKS

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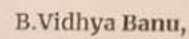
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Embed Drive

## CONTENT BLOCKS



Assistant Professor in Artificial Intelligence and Machine Learning at Sri Krishna Institute of Technology, Bangalore. I have 7 years of Teaching Experience. I did M.E in Computer Science and Engineering and B.Tech in Information Technology [read more](#)



Vidhya Banu

Home · Study Material ▾

# Study Material

Theory

Laboratory

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Partly sunny



Search



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Sri Raghavendra Educational Institutions Society (R)

**Sri Krishna Institute of Technology**

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**Title: Data Structures and Applications**

**Presented by: Prof. Manzoor Ahmed**

**Department: Artificial Intelligence and Machine Learning**

[www.skit.org.in](http://www.skit.org.in)





## **Walkthrough the Road Map**

- Course Description
- Course Objectives & Outcomes
- Course Content
- Learning Resources
- Real World Applications
- Related Companies
- Job Roles in Industry



## Real world Applications

### Arrays

- Leader-board of a game
- Image processing
- Speech processing

### Stack

- Undo operation is also carried out through stacks
- History of visited websites
- Call logs, E-mails, Google photos' any gallery , YouTube downloads, Notifications
- Scratch card's earned after Google pay transaction

### Linked List

- An image viewer software uses a linked list
- Web pages can be accessed using the previous and the next URL links
- The music players also use the same technique to switch between music



Sri Raghavendra Educational Institutions Society (R)

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**Title: Introduction to Robotic Process Automation**

**Course: ROBOTIC PROCESS AUTOMATION**

**Presented by: Prof. Manzoor Ahmed**

**Department: Artificial Intelligence & Machine Learning**

[www.skit.org.in](http://www.skit.org.in)





## Robotic Process Automation

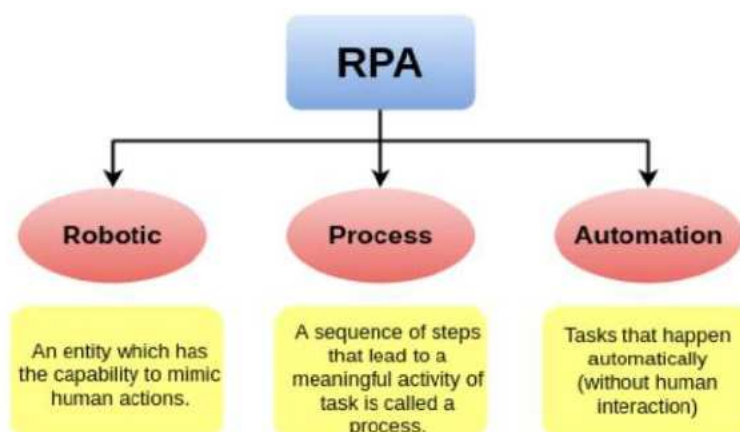
### Course Learning Objectives

1. To understand basic concepts of RPA
2. To Describe RPA, where it can be applied and how its implemented
3. To Describe the different types of variables, Control Flow and data manipulation techniques
4. To Understand Image, Text and Data Tables Automation
5. To Describe various types of Exceptions and strategies to handle

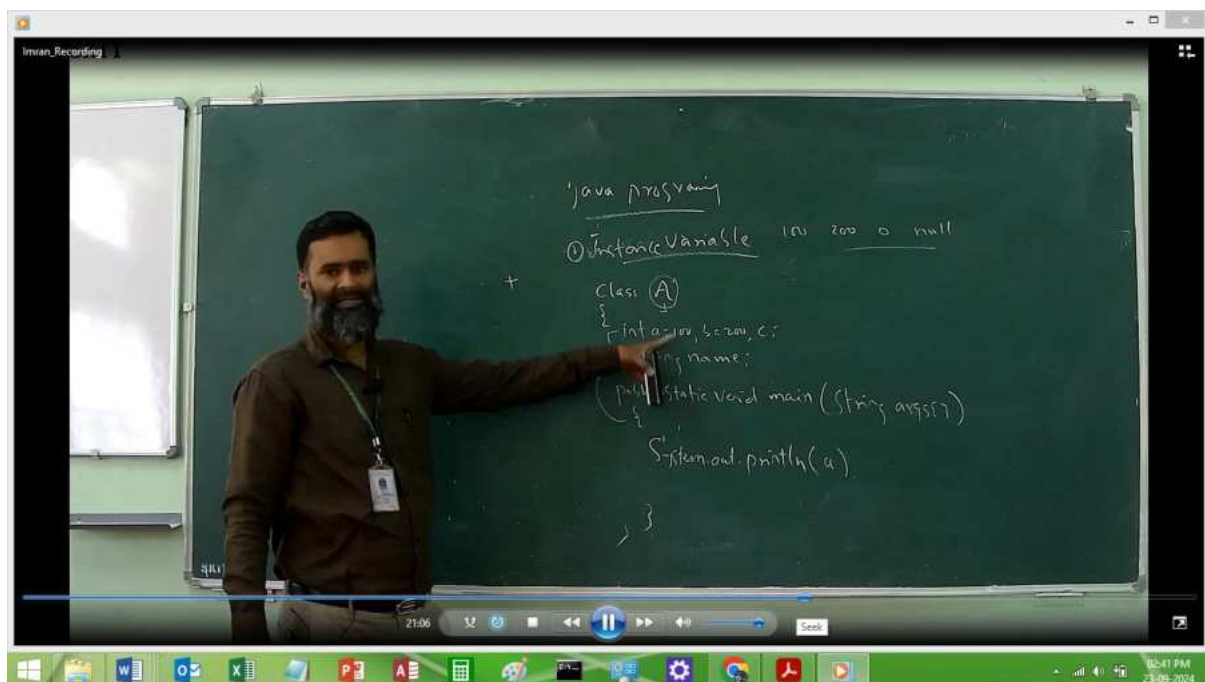
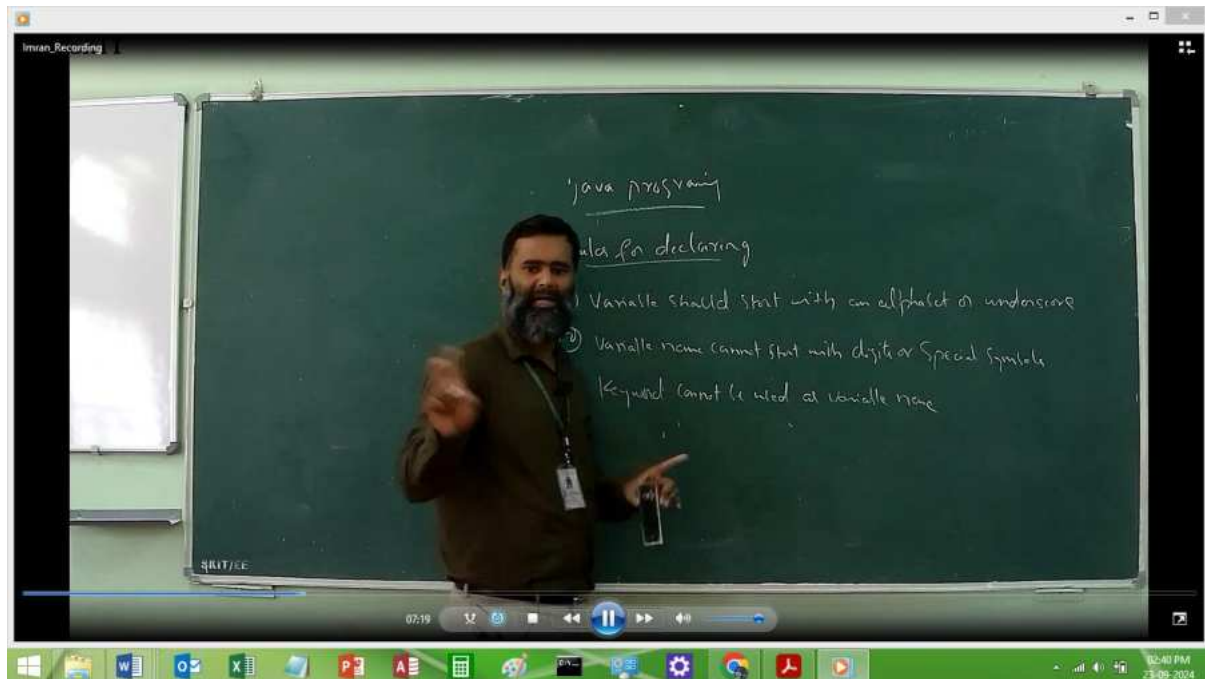
## RPA Foundations

### What is RPA?

**Robotic process automation (RPA)** is a software technology that makes it easy to build, deploy, and manage software robots that emulate humans actions interacting with digital systems and software.



## Java Programming



## Introduction to Python programming

The screenshot shows a video player window titled 'Imran\_recordingpy'. The main content is a presentation slide for Sri Krishna Institute of Technology. The slide features the institute's logo and name at the top, followed by accreditation details. The title of the presentation is 'Introduction to Python Programming (BPLCK105)', presented by Prof. Imran Ulla Khan from the Department of Computer Science and Engineering. A large red text at the bottom says 'Welcome to Introduction to Python programming'. A small video inset in the top right corner shows Prof. Imran Ulla Khan. The video player controls at the bottom show a progress bar at 00:05 and a system tray with the date 23-09-2024 and time 10:43 PM.

**Sri Raghavendra Educational Institutions Society (R)**  
**Sri Krishna Institute of Technology**  
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**Title : Introduction to Python Programming (BPLCK105)**  
**Presented by : Prof. Imran Ulla Khan**  
**Department : Computer Science and Engineering**

**Welcome to Introduction to Python programming**

The screenshot shows a video player window titled 'Imran\_recordingpy' displaying a Jamboard. The Jamboard is titled 'Untitled Jam' and contains handwritten text on a blue background. It lists 'valid' identifiers (ABC, aBC, a123abc) and 'Invalid' identifiers (0abc, abc123, if else, while, a.). A small video inset in the top right corner shows Prof. Imran Ulla Khan. The video player controls at the bottom show a progress bar at 10:53 and a system tray with the date 23-09-2024 and time 10:44 PM.

**valid**  
ABC ✓  
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a123abc ✓

**Invalid**  
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abc123 X  
if else, while  
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python\_variables

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## Python Variables

- Variables are containers for storing data values
- Variable is a name that is used to refer to memory location
- In Python, we don't need to specify the type of variable because it is dynamically typed language

### Rules for declaring a Variable

- The first character of the variable must be an alphabet or underscore ( \_ ).
- All the characters except the first character may be an alphabet of lower-case(a-z), upper-case (A-Z), underscore, or digit (0-9).
- Identifier name must not contain any white-space, or special character (!, @, #, %, ^, &, \*).
- Identifier name must not be similar to any keyword defined in the language.
- Identifier names are case sensitive; for example, skit, and SKIT is not the same.

1/3/2023 12 f /skit.org.in

01:25 Double-click to go to fullscreen, ctrl+click to snap to video size

10:45 PM 23-09-2024

python\_variables

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## Creating Variable

- Python has no command for declaring a variable.
- A variable is created the moment you first assign a value to it
- The Assignment (=) operator is used to assign value to a variable

### Example

```
X=10
Name="skit"
Y=12.535
```

## Multiple Assignment

- Python allows us to assign a value to multiple variables in a single statement, which is also known as multiple assignments.

### Example

```
X=y=z=10
a,sum,b=10,20,2.5
```

1/3/2023 13 f /skit.org.in

10:55 Search

10:45 PM 23-09-2024

## **Department of Civil Engineering**

### **VEDIO Lecturing links**

<https://drive.google.com/file/d/1OkiZrh6UC2PxMbQfsiQcXp84047WDmkh/view?usp=mail>

<https://drive.google.com/file/d/1ptMub771FnJtVFkhGe2MvbSXBWKHjHFi/view?usp=mail>

### **Google site links**

<https://sites.google.com/skit.org.in/applied-hydraulics/about-the-course>

<https://sites.google.com/skit.org.in/solidwastemanagement/home>

<https://sites.google.com/skit.org.in/greenbuilding/home>



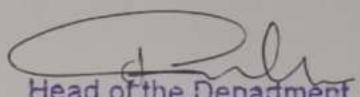
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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

**COURSE WEBSITE LINKS**

**ACADEMIC YEAR: 2023-2024**

| SL.No | FACULTY IN-CHARGE    | COURSE WEBSITE LINK                                                                                                                   |
|-------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Dr. Jayasudha K      | <a href="https://sites.google.com/skit.org.in/coursewebsite/home">https://sites.google.com/skit.org.in/coursewebsite/home</a>         |
| 2     | Prof. Manzoor Ahmed  | <a href="https://sites.google.com/view/manzoorahmed/home">https://sites.google.com/view/manzoorahmed/home</a>                         |
| 3     | Prof. G Soujanya     | <a href="https://sites.google.com/skit.org.in/4th-sem-21-scheme/home">https://sites.google.com/skit.org.in/4th-sem-21-scheme/home</a> |
| 4     | Prof. Prema C        | <a href="https://sites.google.com/skit.org.in/21cs44/home">https://sites.google.com/skit.org.in/21cs44/home</a>                       |
| 5     | Prof. Ramya          | <a href="https://sites.google.com/skit.org.in/ramya/home">https://sites.google.com/skit.org.in/ramya/home</a>                         |
| 6     | Prof. Nanda M B      | <a href="https://sites.google.com/skit.org.in/adabcs401/notes">https://sites.google.com/skit.org.in/adabcs401/notes</a>               |
| 7     | Prof. Sindhu K       | <a href="https://sites.google.com/skit.org.in/sindhu-k/about-faculty">https://sites.google.com/skit.org.in/sindhu-k/about-faculty</a> |
| 8     | Dr.Geetha C Megharaj | <a href="https://sites.google.com/skit.org.in/drgeetha-18cs54/home">https://sites.google.com/skit.org.in/drgeetha-18cs54/home</a>     |
| 9     | Prof. Asghar Pasha   | <a href="https://sites.google.com/view/easgwebsite?usp=sharing">https://sites.google.com/view/easgwebsite?usp=sharing</a>             |

  
Head of the Department  
Artificial Intelligence and  
Machine Learning  
SKIT, Bangalore - 560 090.





Dr.Puttaraju C

About the Faculty

About the course



# Engineering Mathematics

## About the Faculty



Dr.Puttaraju C , Dean Academics and Professor, Department of Mathematics, Sri Krishna Institute of Technology, Bangalore. I have around 24 years of experience . I was awarded PhD from Visvesvaraya Technological University, Belagavi in the year 2010. My Areas of Interest are Graph Theory, Operation Research and Probability Theory. I have publications in national and international journals to my credit. I have presented paper in National and International conferences. I have attended many National workshops and FDP's.

I have expertise in Engineering Mathematics(papers I, II,III and IV), Advanced Mathematics(papers I and II), Discrete Mathematical Structures, Graph Theory, Combinatorics, Operation Research, Probability Theory and Computations, and Lattice Theory.

SKIT  
2024\_February\_15-9-24.mp4

11:17 AM  
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Activate Windows  
Go to PC settings to activate Windows.

15:09 / 25:21

Handwritten notes on a chalkboard:

$$\frac{1}{x} \frac{dx}{d\theta} = \frac{\cos \theta}{1 + \sin \theta}$$

$$\frac{dx}{d\theta} = \frac{1 + \sin \theta}{\cos \theta}$$

$$\sin \theta = \frac{1 + \sin \theta}{\cos \theta}$$

$$\text{where } x = a(1 - \sin \theta)$$

$$\log x = \log a(1 - \sin \theta)$$

$$\log x = \log a + \log(1 - \sin \theta)$$

$$\frac{1}{x} \frac{dx}{d\theta} = 0 + \frac{1}{1 - \sin \theta} [0 - \cos \theta] \Rightarrow \frac{1}{x} \frac{dx}{d\theta} = \frac{-\cos \theta}{1 - \sin \theta}$$

$$\frac{dx}{d\theta} = \frac{1 - \sin \theta}{\cos \theta} \Rightarrow \tan \theta = \frac{1 - \sin \theta}{\cos \theta}$$

Other equations visible on the board:

$$\tan \theta = \frac{1 - \sin \theta}{\cos \theta}$$

$$\tan^2 \theta + \sin^2 \theta = 1$$





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## Sindhoora K Shetty (Physics) - google classroom

The screenshot shows the Google Classroom interface for the class '1sem\_CSE\_2023-24'. The 'Stream' tab is selected. At the top, there is a banner with the class name and a 'Customise' button. Below the banner, there is a 'Meet' section with a 'Generate link' button. To the right, there is an announcement box with the text 'Announce something to your class'. Below the announcement, there is a post by 'Sindhoora Shetty' dated '2 Feb' with the text 'Dear students,'.

The screenshot shows the Google Classroom interface for the class '1sem\_CSE\_2023-24'. The 'Classwork' tab is selected. The page displays two modules: 'MODULE 5' and 'MODULE 4'. Under 'MODULE 5', there are three items: 'Module 5 numericals with solution' (Posted 22 Dec 2023), 'Question bank of module 5' (Edited 19 Dec 2023), and 'Module 5 notes' (Edited 19 Dec 2023). Under 'MODULE 4', there is a placeholder text: 'Students will see this topic once work is added to it'.

The screenshot shows the Google Classroom interface for the class '1sem\_CSE\_2023-24'. The 'People' tab is selected. The page displays a list of students under the heading 'Students'. There are 51 students in total. The list shows the first six students: AISHWARYA AMIN, AMAN SINGH, ANUSHA V, ARATHI SM, ARPITHA B, and BRUNDA R. Each student has a checkbox and an 'Actions' button.



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## Sindhooora K Shetty (Physics) - course website

 **BPHYE102/202**

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**ABOUT THE FACULTY**

**Ms. Sindhooora K Shetty**



**Ms. Sindhooora K. Shetty** is an **Assistant Professor** in the Department of Physics, SKIT, Bengaluru. She has obtained **M.Sc.** degree in Physics from Mangalore University with specialization in electronics. She has 2 years of teaching experience.

**EMAIL ID :** [sindhooraphysics@skit.org.in](mailto:sindhooraphysics@skit.org.in)

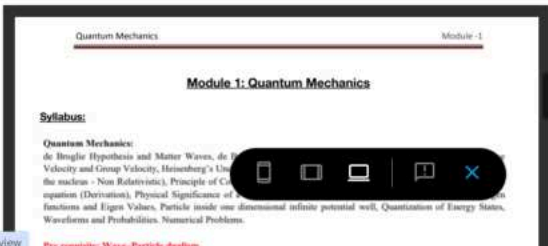


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**Lecture Notes**

**Module 1 : Quantum Mechanics**





[https://sites.google.com/u/0/d/1qkQxFej3XwG27\\_wadl5vPRcqzmXfID/p/19kvOMWmyQmknfkUaYiwaldDCz4Qank\\_/preview](https://sites.google.com/u/0/d/1qkQxFej3XwG27_wadl5vPRcqzmXfID/p/19kvOMWmyQmknfkUaYiwaldDCz4Qank_/preview)

**Pre requisite: Wave-Particle duality**

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**Question Bank**

MODULE 1 QB

MODULE 2 QB

MODULE 3 QB

MODULE 4 QB

MODULE 5 QB

**VTU MODEL QUESTION PAPER**





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## Sindhoora K Shetty (Physics) - PPT



Sri Raghavendra Educational Institutions Society (R)  
**Sri Krishna Institute of Technology**  
(Approved by AICTE, Accredited by NAAC, Affiliated to VTU, Karnataka)

**Department of Basic Science**  
**Name of Faculty: Ms. Sindhoora K Shetty**  
**Title: Superconductivity**

[www.skit.org.in](http://www.skit.org.in)



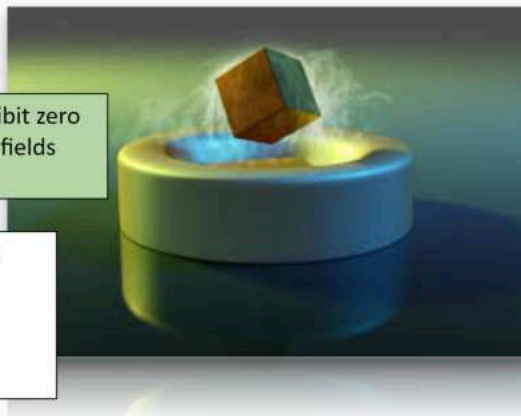
**Sri Krishna Institute of Technology**

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## INTRODUCTION TO SUPERCONDUCTORS:

Superconductors are fascinating materials that exhibit zero electrical resistance and the expulsion of magnetic fields when cooled below a certain critical temperature.

Unlike an ordinary metallic conductor, whose resistance decreases gradually as its temperature is lowered, even down to near absolute zero, a superconductor has a characteristic critical temperature below which the resistance drops abruptly to zero.





## Lecture videos by the faculty

