

2.3.2

ICT enabled tools for effective teaching-learning

	S J P N Trust's	CSE
	Hirasugar Institute of Technology, Nidasoshi.	NAAC Cr 2.3
	<i>Inculcating Values, Promoting Prosperity</i>	ICT Facilities
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ICT Facilities

Department: Computer Science and Engineering

Sl. No	Place	ICT Facilities and tools available
1.	Class Rooms	1. LCD Projectors (03) 2. Personal Computers(03)
2.	Laboratories	1. LCD Projectors (04) 2. Personal Computers (100) 3. System Softwares (56Nos) 4. Application Softwares (open source)(03Nos) 5. White Boards (05) 6. Printers (05)
3.	Computer Center	1. Personal Computers(66) 2. Servers (02) 3. White Board(01) 4. Cisco Router(01) 5. Fortigate Firewall(01) 6. Wifi Access Controller(01) 7. Cisco Manageable Switches(07) 8. Wifi Access points(36) 9. System Softwares (02Nos)
4.	HOD Chamber	1. Personal Computers(02) 2. Printers(03) 3. Scanner(01)

Photos:

1. Class rooms:



LH1(A303)



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CSE

NAAC Cr 2.3

ICT Facilities

2021-22



LH2 (A304)



LH3 (A305)



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CSE

NAAC Cr 2.3

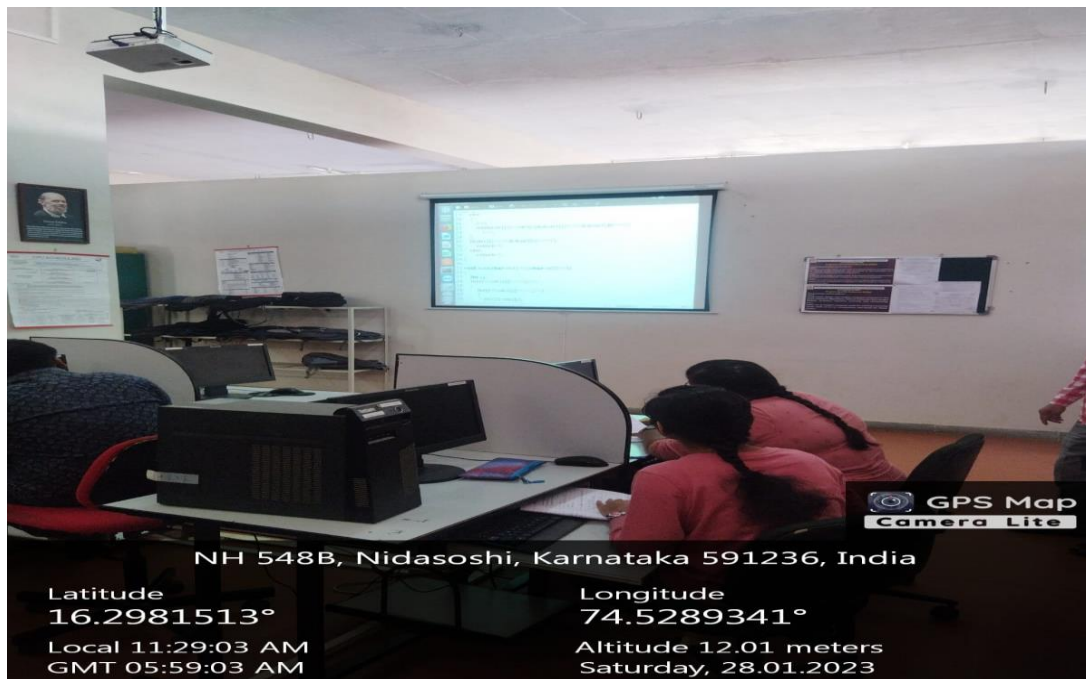
ICT Facilities

2021-22

2. Laboratories:



Web Programming - A206



Algorithms/Networks/Computer Programming Laboratory- A202



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CSE

NAAC Cr 2.3

ICT Facilities

2021-22



7GVH+R72, Nidasoshi, Karnataka 591236, India

Latitude
16.2945207°

Local 11:31:16 AM
GMT 06:01:16 AM

Longitude
74.5282017°

Altitude 12.01 meters
Saturday, 28.01.2023

Research /Project Lab -A209



College Building, Nidasoshi, Karnataka 591236, India

Latitude
16.2946904°

Local 03:18:50 PM
GMT 09:48:50 AM

Longitude
74.5284991°

Altitude 12.01 meters
Monday, 06.02.2023

System Programming-A207

ICT facilities available in classrooms, Computer Center and labs

Sl. No.	ICT Facilities	Place & Room No	Qty
1.	LCD Projector	Class Room- A303	01
	Personal Computer		01
2.	LCD Projector	Class Room- A304	01
	Personal Computer		01
3.	LCD Projector	Class Room- A305	01
	Personal Computer		01
4.	Personal Computers	Microprocessor Laboratory A201	20
	White Board		01
	Software (open source)		01
	System Software		16
5.	LCD Projector	Algorithms/Networks/Computer Programming Laboratory A202	01
	Personal Computers		20
	White Board		01
	System Software		20
6.	LCD Projector	Web Programming Laboratory A206	01
	Personal Computers		20
	White Board		01
7.	LCD Projector	System Programming Laboratory A207	01
	Personal Computers		20
	White Board		01
8.	LCD Projector	Research / Project Laboratory A209	01
	Personal Computers		20
	White Board		01
	Software (open source)		02
	System Software		20
9.	Personal Computers	HOD Chamber	02
	Printers		03
	Scanner		01
10.	Personal Computers	Computer Center A205B	68
	White Board		01
	Cisco Router		01
	Fortigate Firewall		01
	Wifi Access Controller		01
	Cisco Manageable Switches		07
	Wifi Access points		36
	System Software		02


 HOD, CSE 3/2/23

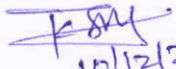
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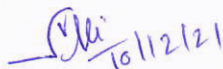
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		Academics
		Teaching Aids
		2021-22

List of teaching aids and working models

Sr. No.	Teaching aids and working models	Subjects
1	Power Point presentation	All subjects
2	Charts	All subjects
3	Simulations on searching and sorting algorithms	Data structure, Computer algorithms
4	3D models	Computer graphics
5	Simulation tool: Network Simulator	Computer network


 10/12/2021
 Dr. K. B. Manwade
 Criteria Coordinator


 10/12/21
 Prof. S. V. Manjaragi
 HOD CSE
H.O.D
Computer Science & Engg.
HIT, Nidasoshi.



Video lectures on YouTube channel

1. **Faculty:** Dr Mahesh G. Huddar
2. **Course:** Big data analytics
3. **Course code:** 18CS72
4. **YouTube channel link:** <https://www.youtube.com/c/MaheshHuddar>

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DECISION TREE – ID3 ALGORITHM NUMERICAL EXAMPLE

Prof. Mahesh G Huddar
 Dept. of Computer Science and Engineering

Mahesh Huddar vtupulse.com

Comments 229

Abhishek Kumar 2K19-CO-020 • 4 months ago
 Osm osm osm 🔥🔥🔥 just one example cleared all my doubts 🌟

👍 30 🗨️ 2

2 replies from Mahesh Huddar and others

Saumya Pandey • 8 months ago
 Ur machine learning complete playlist is very helpful.. Thank you so much..ur teaching style is amazing

👍 8 🗨️ 1

1 reply from Mahesh Huddar

Mahantesh G • 1 year ago
 Once you go through his videos basic becomes strong and crystal clear.

Day	Outlook	Temp	Humidity	Wind	Play Tennis
D1	Sunny	Hot	High	Weak	No
D2	Sunny	Hot	High	Strong	No
D3	Overcast	Hot	High	Weak	Yes
D4	Rain	Mild	High	Weak	Yes
D5	Rain	Cool	Normal	Weak	Yes
D6	Rain	Cool	Normal	Strong	No
D7	Overcast	Cool	Normal	Strong	Yes
D8	Sunny	Mild	High	Weak	No
D9	Sunny	Cool	Normal	Weak	Yes
D10	Rain	Mild	Normal	Weak	Yes
D11	Sunny	Mild	Normal	Strong	Yes
D12	Overcast	Mild	High	Strong	Yes
D13	Overcast	Hot	Normal	Weak	Yes
D14	Rain	Mild	High	Strong	No

Decision Tree Solved ID3 Algorithm Example - 1

Subscribe to Mahesh Huddar Visit: vtupulse.com

Comments 229

Farahaina Idris • 1 year ago
 Can I know if it possible for id3 algorithm to induce only one branch (left data) and been selected as the next attribute?

👍 5 🗨️ 0

ily sainath • 9 months ago
 Thank You Sir ! I had a deep understanding of the algorithm !

👍 8 🗨️ 1

1 reply from Mahesh Huddar

Nishtha Mishra • 1 year ago
 Nice ,it shows you have a habit of solving complete numerical 😊😊

👍 15 🗨️ 0



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Department of Computer Science & Engineering

Module No.: 4

Lecture No.: 10

Topic: Apache Pig

Course coordinator: Dr. K. B. Manwade

Dr. K. B. Manwade, Dept. of CSE, HST, Nidasoshi

1

Apache Pig

- Is an abstraction over MapReduce
- Is an execution framework for parallel processing
- Reduces the complexities of writing a MapReduce program
- Is a high-level dataflow language.
- Dataflow language means that a Pig operation node takes the inputs and generates the output for the next node
- Is mostly used in HDFS environment
- Performs data manipulation operations at files at data nodes in Hadoop.

2

Applications of Apache Pig

- Analyzing large datasets
- Executing tasks involving adhoc processing
- Processing large data sources such as web logs and streaming online data
- Data processing for search platforms. Pig processes different types of data
- Processing time sensitive data loads; data extracts and analyzes quickly.
- For example, analysis of data from twitter to find patterns for user behavior and recommendations.

3

Features of Apache Pig

- Apache PIG helps programmers write complex data transformations using scripts
- Creates user defined functions (UDFs) to write custom functions which are not available in Pig
- Process any kind of data, structured, semi-structured or unstructured data, coming from various sources
- Reduces the length of codes using multi-query approach
- Handles inconsistent schema in case of unstructured data as well
- Extracts the data, performs operations on that data and dumps the data in the required format in HDFS

4

Features of Apache Pig

- Performs automatic optimization of tasks before execution.
- Programmers and developers can concentrate on the whole operation without a need to create mapper and reducer tasks separately.
- Reads the input data files from HDFS or the data files from other sources such as local file system, stores the intermediate data and writes back the output in HDFS.
- Pig characteristics are data reading, processing, programming the UDFs in multiple languages and programming multiple queries by fewer codes.
- Pig derives guidance from four philosophies, live anywhere, take anything, domestic and run as if flying.

Differences between Pig and MapReduce

Pig	MapReduce
A dataflow language	A data processing paradigm
High level language and flexible	Low level language and rigid
Performing Join, filter, sorting or ordering operations are quite simple	Relatively difficult to perform Join, filter, sorting or ordering operations between datasets
Programmer with a basic knowledge of SQL can work conveniently	Complex Java implementations require exposure to Java language
Uses multi-query approach, thereby reducing the length of the codes significantly	Require almost 20 times more the number of lines to perform the same task
No need for compilation for execution; operators convert internally into MapReduce jobs	Long compilation process for Jobs
Provides nested data types like tuples, bags and maps	No such data types

6


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Engineering Accredited by NBA, CX, JCT, IIT, B, M

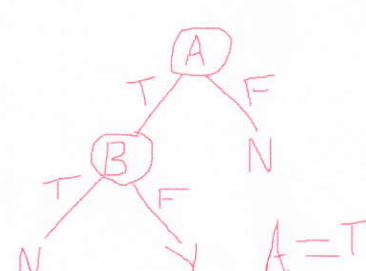
Decision Trees

Prof. Mahesh G Huddar

Dept. of Computer Science and Engineering

3.1 Give decision trees to represent the following boolean functions:

(a) $A \wedge \neg B$
 (b) $A \vee [B \wedge C]$
 (c) $A \text{ XOR } B$
 (d) $[A \wedge B] \vee [C \wedge D]$



Decision Tree for Boolean Functions

- (a) $A \wedge \neg B$
 (b) $A \vee [B \wedge C]$
 (c) $A \text{ XOR } B$
 (d) $[A \wedge B] \vee [C \wedge D]$

Decision Tree for Boolean Functions

- Every Variable in Boolean function such as A, B, C etc. has two possibilities that is True and False
- Every Boolean function is either True or False
- If the Boolean function is true we write YES (Y)
- If the Boolean function is False we write NO (N)

Decision Tree for Boolean Functions

- (a) $A \wedge \neg B$

Decision Tree for Boolean Functions

- (b) $A \vee [B \wedge C]$

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Dr. Mahesh Huddar
Course coordinator

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Computer Science & Engg.
HIT, Nidasoshi

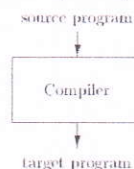

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Subject: System Software and Compilers (18CS61)
Module 2: Introduction to Compilers and Lexical Analysis
Dr. Mahesh G. Huddar
Dept. of Computer Science and Engineering

Language Processors

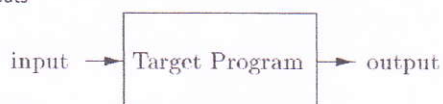
Definition:

- A **compiler** is a program that can read a program in **one language - the source language** - and translate it into an equivalent program in **another language - the target language**



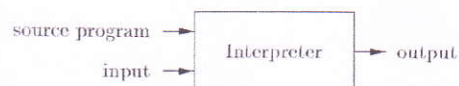
Language Processors

- If the **target program** is an **executable machine-language program**, it can then be called by the user to process inputs and produce outputs



Language Processors

- An **interpreter** is another common kind of **language processor**.
- Instead of producing a **target program** as a translation, an **interpreter** appears to **directly execute** the operations specified in the source program on inputs supplied by the user



Language Processors

- The machine-language (target program) produced by a compiler is usually much **faster** than an interpreter at mapping inputs to outputs.
- An interpreter, however, can usually give **better error diagnostics** than a compiler, because it executes the source program statement by statement.

Language Processors

- Java language processors combine compilation and interpretation, as shown in Fig.
- A Java source program may first be compiled into an intermediate form called **bytecodes**.
- The bytecodes are then interpreted by a virtual machine.
- A benefit of this arrangement is that bytecodes compiled on one machine can be interpreted on another machine, perhaps across a network.
- In order to achieve faster processing of inputs to outputs, some Java compilers, called **just-in-time compilers**, translate the bytecodes into machine language immediately before they run the intermediate program to process the input.


 Dr. Mahesh Huddar
 Course Coordinator


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Subject: Object Oriented Concepts (18CS45)

Module 2: Objects and Arrays (C++ Part)

Prof. Mahesh G Huddar

Dept. of Computer Science and Engineering

Arrays and Objects

- Like Structures, It is possible to have arrays of objects.
- The syntax for declaring and using an object array is exactly the same as it is for any other type of array.
- A array variable of type class is called as an array of objects.

Arrays and Objects - Example

```
#include <iostream>
using namespace std;

class Student
{
private:
    int mro;
    char name[20];
    double avgmarks;

public:
    void read_data()
    {
        cout<<"Enter the Roll No.:"<<endl;
        cin>>mro;
        cout<<"Enter the name.:"<<endl;
        cin>>name;
        cout<<"Enter the average marks.:"<<endl;
        cin>>avgmarks;
    }

    void print_data()
    {
        cout<<"Roll No is "<<mro<<endl;
        cout<<"Name is "<<name<<endl;
        cout<<"Average marks "<<avgmarks<<endl;
    }

};

int main()
{
    Student std[10];
    cout<<"Enter the student data:"<<endl;
    for (int i=0;i<3;i++)
    {
        std[i].read_data();
    }
    for (int i=0;i<3;i++)
    {
        cout<<endl<<"Student information is:"<<endl;
        std[i].print_data();
    }
    return 0;
}
```

Arrays and Objects - Example

```
#include <iostream>
using namespace std;

class Student
{
private:
    int mro;
    char name[20];
    double avgmarks;

public:
    void read_data();
    void print_data();
};

void Student::read_data()
{
    cout<<"Enter the Roll No.:"<<endl;
    cin>>mro;
    cout<<"Enter the name.:"<<endl;
    cin>>name;
    cout<<"Enter the average marks.:"<<endl;
    cin>>avgmarks;
}

void Student::print_data()
{
    cout<<"Roll No is "<<mro<<endl;
    cout<<"Name is "<<name<<endl;
    cout<<"Average marks "<<avgmarks<<endl;
}

int main()
{
    Student std[10];
    cout<<"Enter the student data:"<<endl;
    for (int i=0;i<3;i++)
    {
        std[i].read_data();
    }
    for (int i=0;i<3;i++)
    {
        cout<<endl<<"Student information is:"<<endl;
        std[i].print_data();
    }
    return 0;
}
```

Array inside objects

- An array can be used as a member variable of class.
- Using the instance or object of that class we can initialize the array elements.

Array inside objects - Example

```
#include <iostream>
using namespace std;

class Employee
{
private:
    int empid[10];
    int empasa[10];

public:
    void read_data();
    void print_data();
};

void Employee::read_data()
{
    for (int i=0;i<3;i++)
    {
        cout<<"Enter the employee ID.:"<<endl;
        cin>>empid[i];
        cout<<"Enter the Salary.:"<<endl;
        cin>>empasa[i];
    }
}

void Employee::print_data()
{
    for (int i=0;i<3;i++)
    {
        cout<<"Employee "<<i<<" ID is "<<empid[i]<<endl;
        cout<<"Employee "<<i<<" Salary is "<<empasa[i]<<endl;
    }
}

int main()
{
    Employee emp;
    emp.read_data();
    emp.print_data();
    return 0;
}
```


 Dr. Mahesh Huddar
 Course coordinator

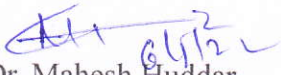


Date: 06-05-2022

Teaching Aids: NPTEL Video Lectures

1. **Class/Semester:** Third year / VI
2. **Course:** System Software and Compilers
3. **Course code:** 18CS61
4. **Topic :** Parsing
5. **Contents covered:**
 - ✓ Context Free Grammars
 - ✓ Types of Parsing
 - ✓ Top-Down Parsing
 - ✓ Bottom-up Parsing
6. **Sample photos:**




Dr. Mahesh Huddar
Course coordinator

Enclosure:

1. Student's attendance


Prof. S. V. Manjaragi
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CSED

Academics

Attendance sheet

2021-22 (EVEN)

Attendance Sheet

S.No	USN	STUDENT NAME	STUDENTS SIGN
1	2HN18CS005	ASHWINI MALED	AU
2	2HN18CS022	ROHIT GADIWADDAR	AR
3	2HN19CS001	AFTABAHMAD QAZI	AR
4	2HN19CS002	AISHWARYA MAGADUM	AR
5	2HN19CS003	AKHILESH HALLOLLI	AR
6	2HN19CS004	AKSHATA KIRAN MOKASHI	AD
7	2HN19CS005	AMRUTA A GUDIMANI	AD
8	2HN19CS006	ARATI CHOUDAJ	AR
9	2HN19CS007	ASHWATHRAJ NERLI	AR
10	2HN19CS008	BANDAVVA B SATIGOUDAR	AD
11	2HN19CS009	BASAVARAJ BHANDARE	AR
12	2HN19CS010	CHAITRA S YAPALAPARAVI	AR
13	2HN19CS011	DANESHWARI J SULTANPURE	AR
14	2HN19CS012	DIGVIJAY PATTANAKODI	AR
15	2HN19CS013	GANESH B HEGADE	AR
16	2HN19CS014	HARFA MUJAWAR	AR
17	2HN19CS015	KARTIK KUMBAR	AR
18	2HN19CS016	KEERTI C CHAJAGOUD	AR
19	2HN19CS017	MEGHA CHANABASANAVAR	AR
20	2HN19CS018	MITHILA SUTAR	AR
21	2HN19CS019	MUZAMMIL PATEL	AR
22	2HN19CS020	NIVEDITA L UDAPUDI	AR
23	2HN19CS021	PADMA BORANNAVAR	AR
24	2HN19CS022	PRADEEP KAMATE	AR
25	2HN19CS023	PRADEEP RAGHANNAVAR	AR
26	2HN19CS024	PRAJAKTA BURLI	AR
27	2HN19CS026	PRANAV GADDI	AR
28	2HN19CS027	PRASAD HIREMATH	AR
29	2HN19CS029	PRIYANKA KURBET	AR
30	2HN19CS030	ROHIT MALI	AR
31	2HN19CS031	SAHANA NAIK	AR
32	2HN19CS032	SAHANA PATIL	AR
33	2HN19CS033	SAHANA PRAVEEN TELSANG	AR
34	2HN19CS034	SAKSHI PATIL	AR
35	2HN19CS035	SAMIKSHA B CHOUGALE	AR
36	2HN19CS036	SEEMA TUGADALLI	AR
37	2HN19CS037	SHAIKH NIHAL SIRAJ	AR
38	2HN19CS038	SHARANABASAPPA	AR
39	2HN19CS039	SNEHA GAJANAN SHITOLE	AR
40	2HN19CS040	SNEHA S HIREKODI	AR



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CS&ED

Academics

Attendance sheet

2021-22 (EVEN)

41	2HN19CS041	SNEHA V GANACHARI	<i>[Signature]</i>
42	2HN19CS042	SOLAPURE AMRUT BASAVARAJ	<i>[Signature]</i>
43	2HN19CS043	SOUMYA KADAM	<i>[Signature]</i>
44	2HN19CS044	SOUMYA SURESH DHADDE	<i>[Signature]</i>
45	2HN19CS045	SUPRITA SINDHUR	<i>[Signature]</i>
46	2HN19CS046	VAIBHAVI DESAI	<i>[Signature]</i>
47	2HN19CS047	VEERESH VEERABHADRANAVAR	<i>[Signature]</i>
48	2HN19CS048	VINEET R GANDOLLI	<i>[Signature]</i>
49	2HN19CS049	VIRESH OMKAR	<i>[Signature]</i>
50	2HN20CS400	ANUPRIYA B MUGALKHOD	<i>[Signature]</i>
51	2HN20CS401	MEENAXI BAAD	<i>[Signature]</i>
52	2HN20CS402	PRIYANKA S NINGAI	<i>[Signature]</i>
53	2HN20CS403	SUNIL ANIL SUTAR	<i>[Signature]</i>

[Signature]
Prof. Mahesh Huddar
Course Coordinator

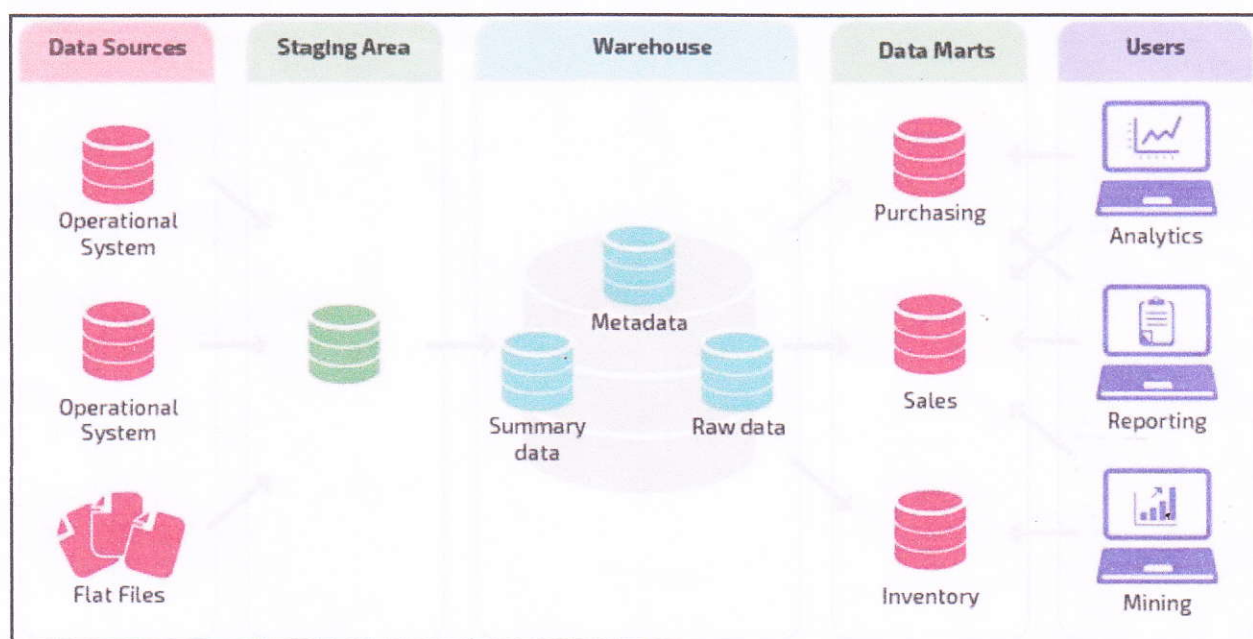
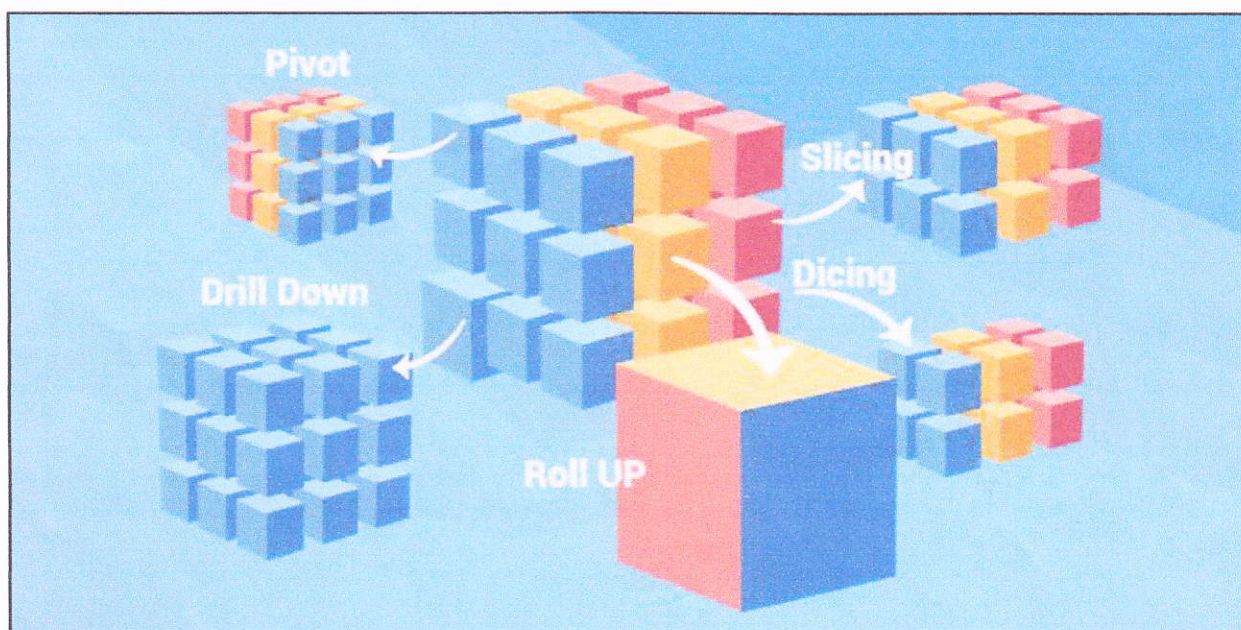
[Signature]
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Date: 29/04/2022

Teaching Aids: Models/Charts

1. **Class/Semester:** Third year / VI
2. **Course:** Data Mining and Data Warehousing
3. **Course code:** 18CS641
4. **Topic :** OLAP Operations
5. **Working model (Photos)/Chart:**



Dr. K. B. Manwade
Course coordinator

Prof. S. V. Manjaragi
HOD CSE



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Programmes Accredited by NBA: CSE, ECE, EEE & ME

CSED

Academics

Attendance sheet

2021-22 (Even)

Date: 29.04.2022

Attendance Sheet

SEM: VI

S.No	USN	STUDENT NAME	Signature
1	2HN18CS005	ASHWINI MALED	
2	2HN18CS022	ROHIT GADIWADDAR	
3	2HN19CS001	AFTABAHMAD QAZI	Absent
4	2HN19CS002	AISHWARYA MAGADUM	
5	2HN19CS003	AKHILESH HALLOLLI	Absent
6	2HN19CS004	AKSHATA KIRAN MOKASHI	
7	2HN19CS005	AMRUTA A GUDIMANI	
8	2HN19CS007	ASHWATHRAJ NERLI	
9	2HN19CS008	BANDAVVA B SATIGOUDAR	
10	2HN19CS009	BASAVARAJ BHANDARE	Absent
11	2HN19CS010	CHAITRA S YAPALAPARAVI	
12	2HN19CS011	DANESHWARI J SULTANPURE	
13	2HN19CS012	DIGVIJAY PATTANAKODI	
14	2HN19CS013	GANESH B HEGADE	Absent
15	2HN19CS014	HARFA MUJAWAR	
16	2HN19CS015	KARTIK KUMBAR	
17	2HN19CS016	KEERTI C CHAJAGOUD	
18	2HN19CS017	MEGHA CHANABASANAVAR	
19	2HN19CS018	MITHILA SUTAR	
20	2HN19CS019	MUZAMMIL PATEL	Absent
21	2HN19CS020	NIVEDITA L UDAPUDI	
22	2HN19CS021	PADMA BORANNAVAR	
23	2HN19CS022	PRADEEP KAMATE	
24	2HN19CS023	PRADEEP RAGHANNAVAR	Absent
25	2HN19CS024	PRAJAKTA BURLI	
26	2HN19CS026	PRANAV GADDI	
27	2HN19CS027	PRASAD HIREMATH	Absent
28	2HN19CS029	PRIYANKA KURBET	Absent
29	2HN19CS030	ROHIT MALI	
30	2HN19CS031	SAHANA NAIK	
31	2HN19CS032	SAHANA PATIL	Absent
32	2HN19CS033	SAHANA PRAVEEN TELSANG	Absent
33	2HN19CS034	SAKSHI PATIL	
34	2HN19CS035	SAMIKSH'A B CHOUGALE	
35	2HN19CS036	SEEMA TUGADALLI	
36	2HN19CS037	SHAIKH NIHAL SIRAJ	Absent
37	2HN19CS038	SHARANABASAPPA	
38	2HN19CS039	SNEHA GAJANAN SHITOLE	
39	2HN19CS040	SNEHA S HIREKODI	



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Academics

Attendance sheet

2021-22 (Even)

40	2HN19CS041	SNEHA V GANACHARI	
41	2HN19CS042	SOLAPURE AMRUT BASAVARAJ	
42	2HN19CS043	SOUMYA KADAM	Absent
43	2HN19CS045	SUPRITA SINDHUR	
44	2HN19CS046	VAIBHAVI DESAI	Absent
45	2HN19CS047	VEERESH. VEERABHADRANAVAR	
46	2HN19CS048	VINEET R GANDOLLI	Absent
47	2HN19CS049	VIRESH OMKAR	
48	2HN20CS400	ANUPRIYA B MUGALKHOD	Absent
49	2HN20CS401	MEENAXI BAAD	
50	2HN20CS402	PRIYANKA S NINGAI	
51	2HN20CS403	SUNIL ANIL SUTAR	Absent

29/04/22
Dr. K. B. Manwade
Course Coordinator

29/04/22
Prof. S V Manjaragi
HOD, CSE

Date: 19.04.2022



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Dept. of CSE

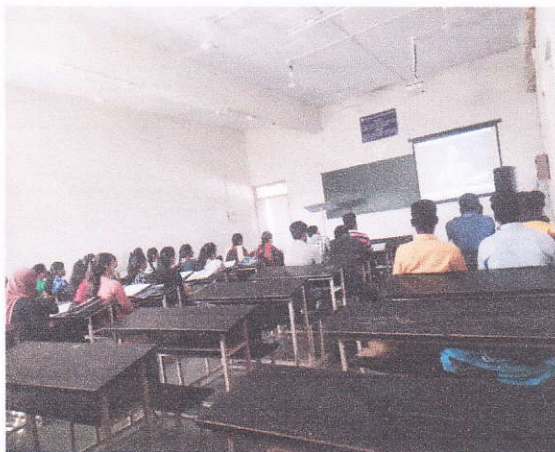
Academic

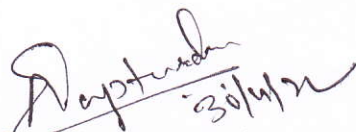
Teaching Aids

2021-22(Even)

Teaching Aids: NPTEL Video Lectures

1. **Subject:** Web Technology and it's Applications
2. **Module:** 2
3. **Topic :** HTML Forms
4. **Content:**
 - ✓ What is HTML Form?
 - ✓ Form Tags : Method and Action
 - ✓ Input Tags
 - ✓ Student Feedback Form
5. **Photos :**




Prof. A. A. Daptardar
Course coordinator


Prof. S. V. Manjaragi
HOD

Enclosure:

1. Student's attendance



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CSED**Academics****Attendance****2021-22 (Even)****NPTEL Video on HTML Forms****SEM: VI****Date : 30/04/2022**

S.N	USN	STUDENT NAME	Sign
1	2HN18CS005	ASHWINI MALED	
2	2HN18CS022	ROHIT GADIWADDAR	
3	2HN19CS001	AFTABAHMAD QAZI	
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25	2HN19CS024	PRAJAKTA BURLI	
26	2HN19CS026	PRANAV GADDI	
27	2HN19CS027	PRASAD HIREMATH	
28	2HN19CS029	PRIYANKA KURBET	
29	2HN19CS030	ROHIT MALI	
30	2HN19CS031	SAHANA NAIK	
31	2HN19CS032	SAHANA PATIL	
32	2HN19CS033	SAHANA PRAVEEN TELSANG	
33	2HN19CS034	SAKSHI PATIL	
34	2HN19CS035	SAMIKSH A B CHOUGALE	
35	2HN19CS036	SEEMA TUGADALLI	
36	2HN19CS037	SHAIKH NIHAL SIRAJ	



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CSED

Academics

Attendance

2021-22 (Even)

S.N	USN	STUDENT NAME	Sign
37	2HN19CS038	SHARANABASAPPA	
38	2HN19CS039	SNEHA GAJANAN SHITOLE	
39	2HN19CS040	SNEHA S H.REKODI	
40	2HN19CS041	SNEHA V GANACHARI	
41	2HN19CS042	SOLAPURE AMRUT BASAVARAJ	
42	2HN19CS043	SOUMYA KADAM	
43	2HN19CS045	SUPRITA SINDHUR	
44	2HN19CS046	VAIBHAVI DESAI	
45	2HN19CS047	VEERESH VEERABHADRANAVAR	
46	2HN19CS048	VINEET R GANDOLLI	
47	2HN19CS049	VIRESH OMKAR	
48	2HN20CS400	ANUPRIYA B MUGALKHOD	
49	2HN20CS401	MEENAXI BAAD	
50	2HN20CS402	PRIYANKA S NINGAI	
51	2HN20CS403	SUNIL ANIL SUTAR	

Prof. A. A. Daptardar

Course Coordinator

Prof. S. V. Manjaragi

HOD, CSE



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Teaching Aids

2021-22

List of Teaching aids and Pedagogical Initiatives

Sl. No	Teaching Aids
1	Chalk and Talk
2	Power Point Presentation
3	Teaching Models and Diagrams
4	NPTEL Videos
5	Activity Based Learning

Sl. No	Faculty Name	Teaching aids used
1	Dr. K. B. Manwade	Chalk and Talk, Power Point Presentation, Teaching Models, NPTEL Videos, Project based Learning, Activity Based Learning.
2	Dr. M. G. Huddar	Chalk and Talk, Power Point Presentation, Teaching Models, NPTEL Videos, Video Learning.
3	Dr. S. G. Gollagi	Chalk and Talk, Power Point Presentation, NPTEL Videos, Simulation.
4	Prof. N. K. Honnagoudar	Chalk and Talk, Power Point Presentation, NPTEL Videos.
5	Prof. S. V. Manjaragi	Chalk and Talk, Power Point Presentation, NPTEL Videos, Graphical Simulation, Live Demo.
6	Prof. N. M. Patel	Chalk and Talk, Power Point Presentation, NPTEL Videos.
7	Prof. R .R. Patil	Chalk and Talk, Power Point Presentation, NPTEL Videos.
8	Prof. A. A. Daptardar	Chalk and Talk, Power Point Presentation, NPTEL Videos.
9	Prof. C. R. Belavi	Chalk and Talk, Power Point Presentation, NPTEL Videos, Activity Based Learning.
10	Prof. M. A. Chitale	Chalk and Talk, Power Point Presentation, NPTEL Videos.

HOD, CSE

H.O.D

Computer Science & Engg.
HIT, Nidasoshi.



Date: 03-12-2021

Teaching Aids: NPTEL Video Lectures

1. **Class/Semester:** Third year / V
2. **Course:** Application Development Using Python
3. **Course code:** 18CS55
4. **Topic :** Exception Handling and Strings
5. **Contents covered:**
 - ✓ Exception handling
 - ✓ Basic input/output
 - ✓ Handling files
 - ✓ String processing.
6. **Sample photos:**




Dr. Mahesh Huddar
Course coordinator

Enclosure:

1. Student's attendance


Prof. S. V. Manjaragi
HOD
Computer Science & Engg.
HIT, Nidasoshi



Attendance Sheet

S.No	USN	STUDENT NAME	STUDENTS SIGN
1	2HN18CS005	ASHWINI MALED	<i>AM</i>
2	2HN18CS022	ROHIT GADIWADDAR	<i>RG</i>
3	2HN19CS001	AFTABAHMAD QAZI	<i>AQ</i>
4	2HN19CS002	AISHWARYA MAGADUM	<i>AM</i>
5	2HN19CS003	AKHILESH HALLOLLI	<i>AB</i>
6	2HN19CS004	AKSHATA KIRAN MOKASHI	<i>AK</i>
7	2HN19CS005	AMRUTA A GUDIMANI	<i>AG</i>
8	2HN19CS006	ARATI CHOUDAJ	<i>AC</i>
9	2HN19CS007	ASHWATHRAJ NERLI	<i>AN</i>
10	2HN19CS008	BANDAVVA B SATIGOUDAR	<i>AB</i>
11	2HN19CS009	BASAVARAJ BHANDARE	<i>BB</i>
12	2HN19CS010	CHAITRA S YAPALAPARAVI	<i>CS</i>
13	2HN19CS011	DANESHWARI J SULTANPURE	<i>DS</i>
14	2HN19CS012	DIGVIJAY PATTANAKODI	<i>DP</i>
15	2HN19CS013	GANESH B HEGADE	<i>GB</i>
16	2HN19CS014	HARFA MUJAWAR	<i>HM</i>
17	2HN19CS015	KARTIK KUMBAR	<i>KK</i>
18	2HN19CS016	KEERTI C CHAJAGOUD	<i>KC</i>
19	2HN19CS017	MEGHA CHANABASANAVAR	<i>MC</i>
20	2HN19CS018	MITHILA SUTAR	<i>MS</i>
21	2HN19CS019	MUZAMMIL PATEL	<i>MP</i>
22	2HN19CS020	NIVEDITA L UDAPUDI	<i>NL</i>
23	2HN19CS021	PADMA BORANNAVAR	<i>PB</i>
24	2HN19CS022	PRADEEP KAMATE	<i>PK</i>
25	2HN19CS023	PRADEEP RAGHANNAVAR	<i>PR</i>
26	2HN19CS024	PRAJAKTA BURLI	<i>PB</i>
27	2HN19CS026	PRANAV GADDI	<i>PG</i>
28	2HN19CS027	PRASAD HIREMATH	<i>PH</i>
29	2HN19CS029	PRIYANKA KURBET	<i>PK</i>
30	2HN19CS030	ROHIT MALI	<i>RM</i>
31	2HN19CS031	SAHANA NAIK	<i>SN</i>
32	2HN19CS032	SAHANA PATIL	<i>SP</i>
33	2HN19CS033	SAHANA PRAVEEN TELSANG	<i>SP</i>
34	2HN19CS034	SAKSHI PATIL	<i>SP</i>
35	2HN19CS035	SAMIKSHA B CHOUGALE	<i>SB</i>
36	2HN19CS036	SEEMA TUGADALLI	<i>ST</i>
37	2HN19CS037	SHAIKH NIHAL SIRAJ	<i>SN</i>
38	2HN19CS038	SHARANABASAPPA	<i>SB</i>
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40	2HN19CS040	SNEHA S HIREKODI	<i>SH</i>



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2021-22 (ODD)

41	2HN19CS041	SNEHA V GANACHARI	
42	2HN19CS042	SOLAPURE AMRUT BASAVARAJ	
43	2HN19CS043	SOUMYA KADAM	
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51	2HN20CS401	MEENAXI BAAD	
52	2HN20CS402	PRIYANKA S NINGAI	
53	2HN20CS403	SUNIL ANIL SUTAR	

Prof. Mahesh Huddar
Course Coordinator

Prof. S V Manjaragi
HOD, CSE
Computer Science & Engg.
HIT, Nidasoshi.

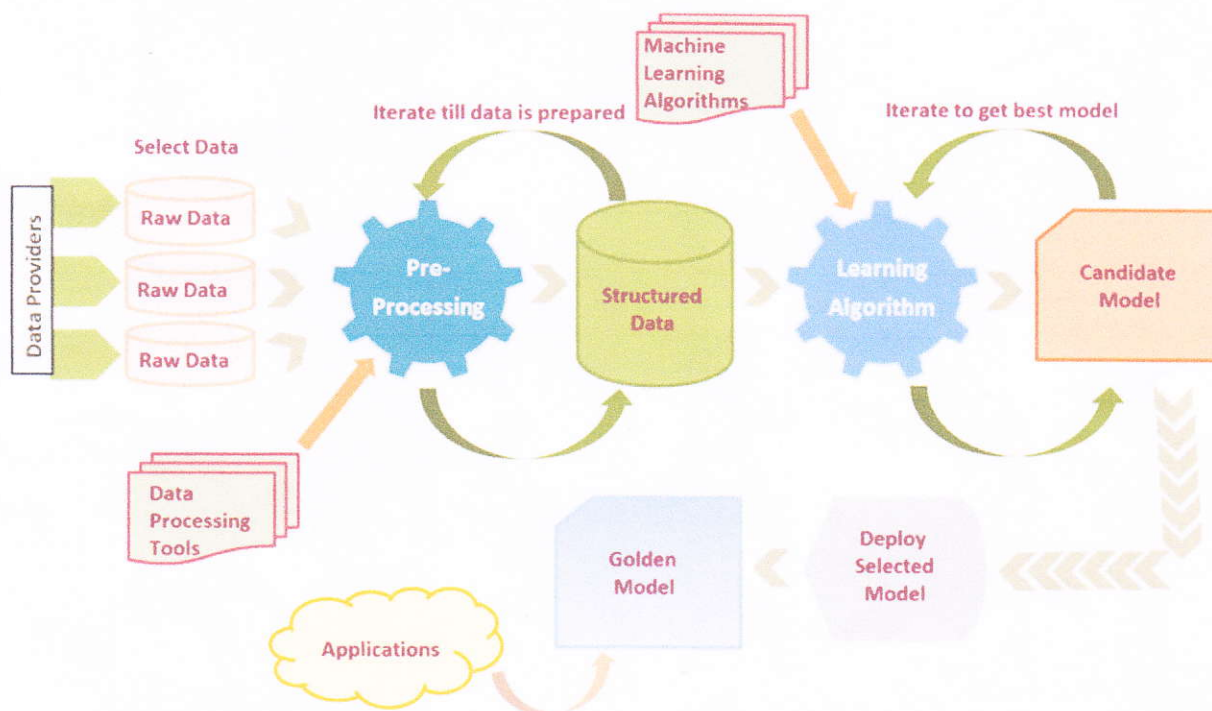


Date: 06/12/2021

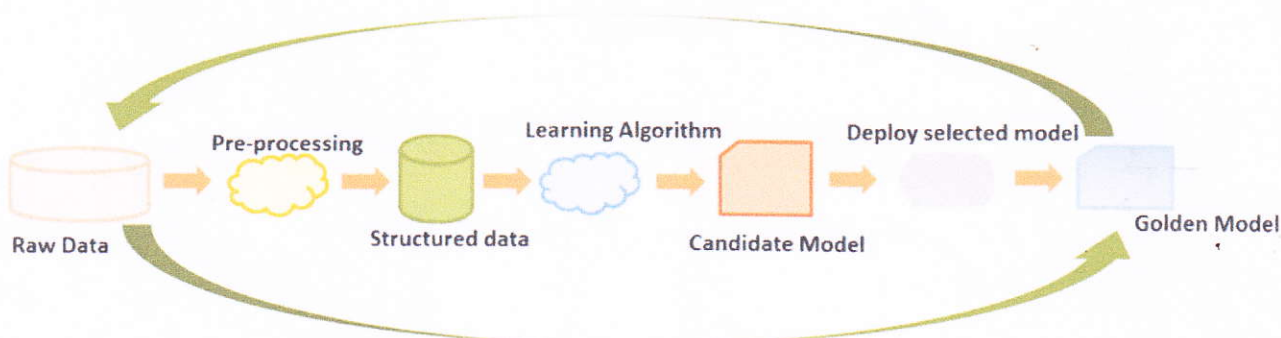
Teaching Aids: Models/Charts

1. **Class/Semester:** Fourth year / VII
2. **Course:** Artificial Intelligence and Machine Learning
3. **Course code:** 18CS71
4. **Topic :** Machine Learning Process and Types
5. **Working model (Photos)/Chart:**

Machine Learning Process

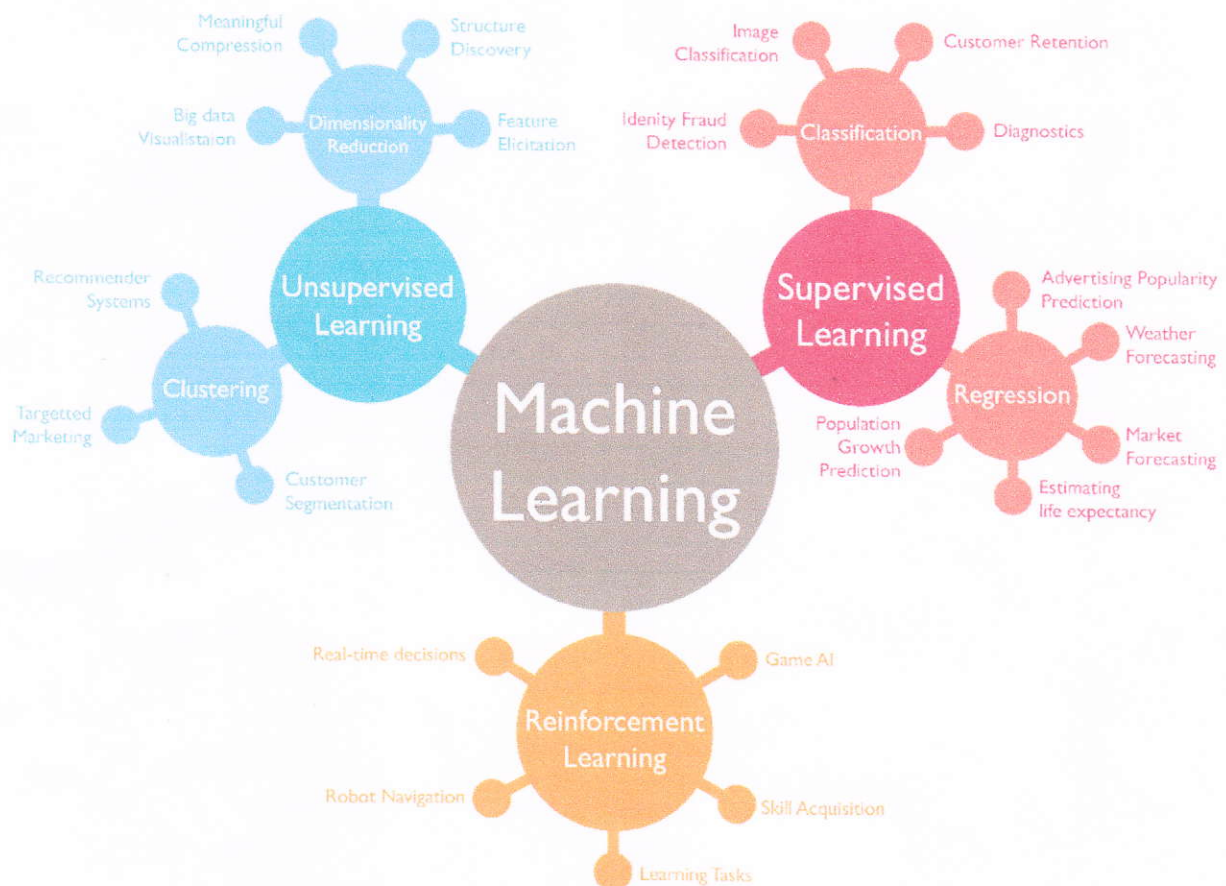


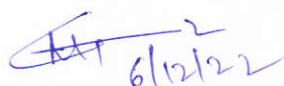
Data Preprocessing





Types of Machine Learning Algorithms




6/12/22

Dr. Mahesh Huddar
Course coordinator


6/12/22

Prof. S. V. Manjaragi
HOD CSE
H.O.D
Computer Science & Engg.
HIT, Nidasoshi



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CSE Dept.

Academic

Teaching Aids

2021-22 (Odd)

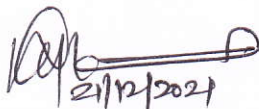
Teaching Aids: NPTEL Video Lectures

Date: 21/12/2021

1. Class/Semester: Third Year/ V
2. Course: Computer Networks and Security
3. Course Code: 18CS52
4. Topic: Universal Hashing
5. Contents Covered:
 - ❖ Cryptographic Hash Function
 - ❖ Secure Hash Algorithm
 - ❖ Digital Signature Standard

Sample Photos:



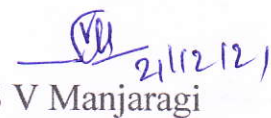

21/12/2021

Prof. N M Patel

Course Coordinator

Enclosure:

1. Students Attendance


21/12/21

Prof. S V Manjaragi

H.O.D

Computer Science & Engg.
HIT, Nidasoshi.



Attendance Sheet

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1	2HN18CS005	ASHWINI MALED	
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53	2HN20CS403	SUNIL ANIL SUTAR	

21/12/2021

Prof. N. M. Patel
Course Coordinator

21/12/21
Prof. S V Manjaragi
HOD, CSE

H.O.D
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HIT, Nidasoshi.

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			Academic
			Teaching Aids
			2021-22

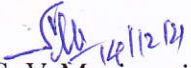
Date: - 14/12/2021

Teaching Aids: NPTEL Video Lectures

1. **Class/Semester:** Final year / VII
2. **Course:** Big data analytics
3. **Course code:** 18CS72
4. **Topic :** MongoDB
5. **Contents covered:**
 - ✓ Installation of MongoDB
 - ✓ Execution of DDL and DML queries
 - ✓ Creating index
 - ✓ Executing aggregations
 - ✓ Replication concept
 - ✓ Sharding concept
6. **Sample photos :**




 14/12/2021
 Dr K. B. Manwade
 Course coordinator


 14/12/2021
 Prof. S. V. Manjaragi
 HOD.D
 Computer Science & Engg.
 HIT, Nidasoshi.

Enclosure:

1. Student's attendance



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CSED

Academics

Attendance

2021-22 (ODD)

NPTEL Video on MongoDB Database

SEM: VII

Date: 14/11/2021

S.No	USN	STUDENT NAME	Sign
1	2HN18CS001	AISHWARYA GUNDOLI	
2	2HN18CS002	AMOGHA M DESAI	
3	2HN18CS003	ANUSHA B.AMBIGER	
4	2HN18CS004	ASHWINI A DODABHANGI	
5	2HN18CS006	GAYATRI ANNASAB PATIL	
6	2HN18CS007	GEETANJALI PATIL	
7	2HN18CS008	GIRISH G. HIREMATH	
8	2HN18CS009	KAPASE VINAYAK M.	
9	2HN18CS010	KARTIK THAKKANNAVAR	
10	2HN18CS011	KASHIM JAKATI	
11	2HN18CS012	KEERTI MAVINAGIDAD	
12	2HN18CS013	MAHIMA S. PURANIK	Absent
13	2HN18CS014	MOHAMMEDAKRAM MUJAWAR	Absent
14	2HN18CS015	POOJA ISHWAR BANGI	
15	2HN18CS016	PRAJWAL S.HONASHETTI	
16	2HN18CS017	PRAVEEN GADIWADDAR	
17	2HN18CS018	PRIYANKA BORAGALLI	
18	2HN18CS019	RAJESHWARI B.HOSAMANI	
19	2HN18CS020	RAKESHA R.SHIRADHONE	Absent
20	2HN18CS021	RIYAJ DILAWAR NADAF	Absent
21	2HN18CS023	ROOPALI RAKESH PANAKE	
22	2HN18CS024	SABIYAKHATUN YASIN SAIYAD	
23	2HN18CS025	SACHIN RAMESH WASEDAR	
24	2HN18CS026	SHILPA SANJEEV KAGE	
25	2HN18CS027	SHOIB M.BAGWAN	
26	2HN18CS028	SHRADDHA JANAMATTI	
27	2HN18CS029	SHREYA ARUN DIWAN	
28	2HN18CS030	SHREYA S.NEELAKARI	
29	2HN18CS031	SHRUTI BIRADAR	
30	2HN18CS032	SHRUTI KHOT	
31	2HN18CS033	SMITA MANOLI	
32	2HN18CS034	SRAJAN POOJARY	Absent
33	2HN18CS035	SUBHAS U.HUDED	Absent
34	2HN18CS037	SUDHARANI BASAVARAJ KURANI	
35	2HN18CS038	SUFIYAN BAGWAN	Absent
36	2HN18CS039	SWATI PATIL	
37	2HN18CS040	UMAPANDIT R. HIREMATH	
38	2HN18CS041	VARSHA PATTANASHETTI	
39	2HN18CS042	VARSHITA M DODDAKALLANNAVAR	
40	2HN18CS043	VIDYASHREE PUJARI	
41	2HN18CS044	VINAYAK HIREMATH	Absent
42	2HN18CS045	VISHAKHA VIJAY NESARI	
43	2HN19CS400	SNEHA PATIL	



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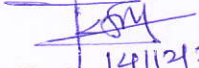
CSED

Academics

Attendance

2021-22 (ODD)

44	2HN17CS021	SACHIN PEERAPPAGOL	Abseut
45	2HN17CS025	SHIPURE RAHUL RAOSAHEB	Abseut
46	2HN17CS026	SHIVASHANKAR	Abseut


14/12/2021
Dr. K. B. Manwade
Course Coordinator


14/12/2021
Prof. S. V. Manjaragi
HOD, CSED

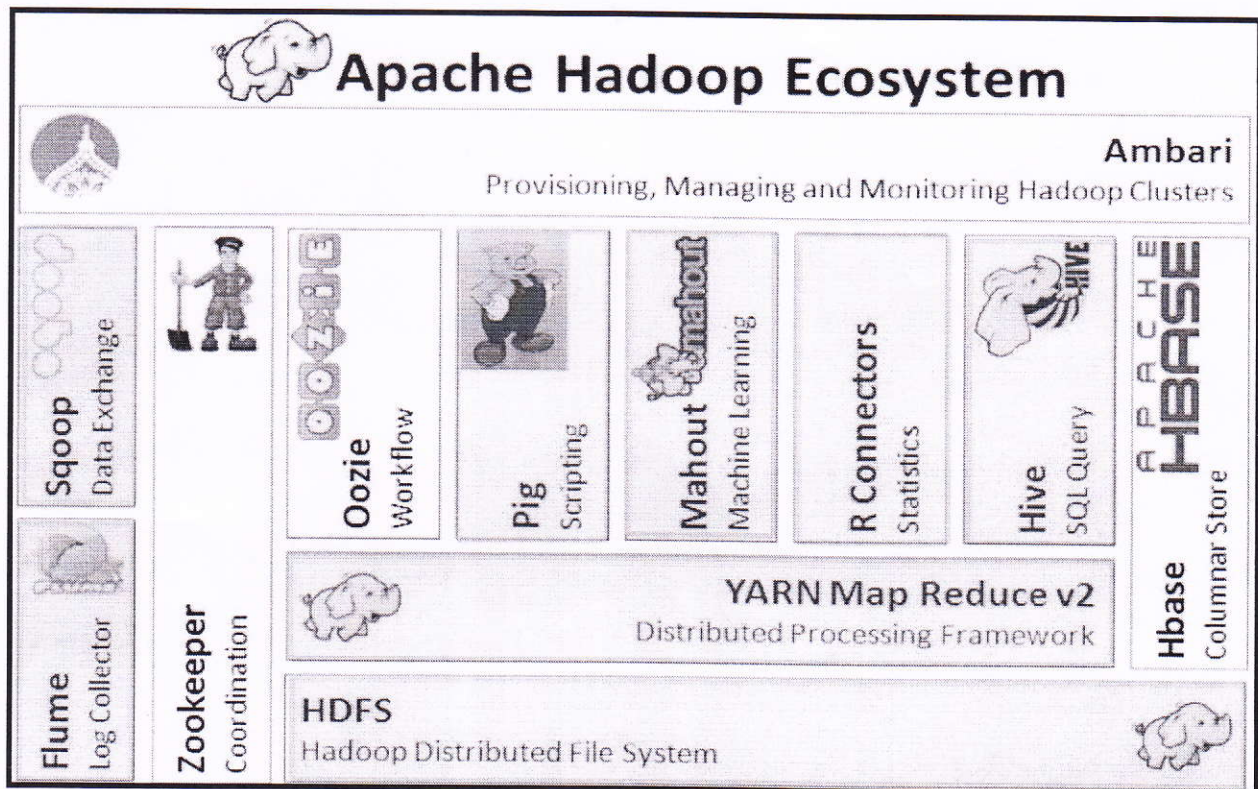
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HIT, Nidasoshi.

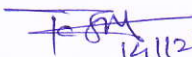


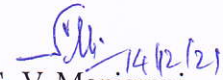
Date: - 14/12/2021

Teaching Aids: Models/Charts

1. **Class/Semester:** Final year / VII
2. **Course:** Big data analytics
3. **Course code:** 18CS72
4. **Topic :** Apache Hadoop Ecosystem
5. **Working model (Photos)/Chart:**




12/12/2021
Dr K. B. Manwade
Course coordinator


14/12/21
Prof. S. V. Manjaragi
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Academic

Teaching Aids

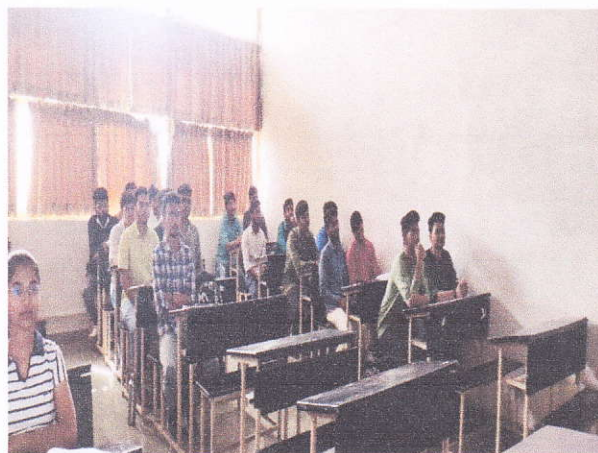
2021-22 (Odd)

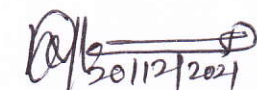
Teaching Aids: NPTEL Video Lectures

Date: 20/12/2021

1. Class/Semester: Third Year/ V
2. Course: Management & Entrepreneurship for IT Industry
3. Course Code: 18CS51
4. Topic: Entrepreneurship and Employment
5. Contents Covered:
 - ❖ Importance of Entrepreneurship
 - ❖ How to Start a Small Scale Industry
 - ❖ Creating Employment
 - ❖ Govt. Policies to Start Small Scale Industry

Sample Photos:



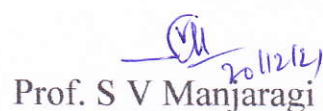

20/12/2021

Prof. N M Patel

Course Coordinator

Enclosure:

1. Students Attendance


20/12/21

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Attendance sheet

2021-22 (ODD)

Attendance Sheet

S.No	USN	STUDENT NAME	STUDENTS SIGN
1	2HN18CS005	ASHWINI MALED	<i>Am</i>
2	2HN18CS022	ROHIT GADIWADDAR	<i>teha</i>
3	2HN19CS001	AFTABAHMAD QAZI	<i>Qazi</i>
4	2HN19CS002	AISHWARYA MAGADUM	<i>Am</i>
5	2HN19CS003	AKHILESH HALLOLLI	<i>SP</i>
6	2HN19CS004	AKSHATA KIRAN MOKASHI	<i>Mokashi</i>
7	2HN19CS005	AMRUTA A GUDIMANI	<i>Gudimani</i>
8	2HN19CS006	ARATI CHOUDAJ	<i>AR</i>
9	2HN19CS007	ASHWATHRAJ NERLI	<i>Nerli</i>
10	2HN19CS008	BANDAVVA B SATIGOUDAR	<i>Bu</i>
11	2HN19CS009	BASAVARAJ BHANDARE	<i>Bhandare</i>
12	2HN19CS010	CHAITRA S YAPALAPARAVI	<i>CS</i>
13	2HN19CS011	DANESHWARI J SULTANPURE	<i>DS</i>
14	2HN19CS012	DIGVIJAY PATTANAKODI	<i>DP</i>
15	2HN19CS013	GANESH B HEGADE	<i>Ganesh</i>
16	2HN19CS014	HARFA MUJAWAR	<i>Hajawar</i>
17	2HN19CS015	KARTIK KUMBAR	<i>Kumbar</i>
18	2HN19CS016	KEERTI C CHAJAGOUD	<i>Keerti</i>
19	2HN19CS017	MEGHA CHANABASANA VAR	<i>Me</i>
20	2HN19CS018	MITHILA SUTAR	<i>Sutar</i>
21	2HN19CS019	MUZAMMIL PATEL	<i>M Patel</i>
22	2HN19CS020	NIVEDITA L UDAPUDI	<i>NL</i>
23	2HN19CS021	PADMA BORANNAVAR	<i>PS</i>
24	2HN19CS022	PRADEEP KAMATE	<i>PK</i>
25	2HN19CS023	PRADEEP RAGHANNAVAR	<i>PR</i>
26	2HN19CS024	PRAJAKTA BURLI	<i>Pr</i>
27	2HN19CS026	PRANAV GADDI	<i>Rgaddi</i>
28	2HN19CS027	PRASAD HIREMATH	<i>Pr</i>
29	2HN19CS029	PRIYANKA KURBET	<i>Prk</i>
30	2HN19CS030	ROHIT MALI	<i>Prali</i>
31	2HN19CS031	SAHANA NAIK	<i>SN</i>
32	2HN19CS032	SAHANA PATIL	<i>SN</i>
33	2HN19CS033	SAHANA PRAVEEN TELSANG	<i>SN</i>
34	2HN19CS034	SAKSHI PATIL	<i>SP</i>
35	2HN19CS035	SAMIKSHA B CHOUGALE	<i>SB</i>
36	2HN19CS036	SEEMA TUGADALLI	<i>Stugalli</i>
37	2HN19CS037	SHAIKH NIHAL SIRAJ	<i>SN</i>
38	2HN19CS038	SHARANABASAPPA	<i>SB</i>
39	2HN19CS039	SNEHA GAJANAN SHITOLE	<i>SN</i>
40	2HN19CS040	SNEHA S HIREKODI	<i>SN</i>



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49	2HN19CS049	VIRESH OMKAR	
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51	2HN20CS401	MEENAXI BAAD	
52	2HN20CS402	PRIYANKA S NINGAI	
53	2HN20CS403	SUNIL ANIL SUTAR	

20/11/2021

Prof. N. M. Patel
Course Coordinator

20/11/2021
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CSE Dept.

Academic

Teaching Aids

2021-22 (Odd)

Teaching Aids: Models/Charts

Date: 26/11/2021

1. Class/Semester: Third Year/ V
2. Course: Management & Entrepreneurship for IT Industry
3. Course Code: 18CS51
4. Topic: Corporate/Social Entrepreneur &
5. Working Model (Photos/Charts):

The Corporate/Social Entrepreneur

Intrapreneurs need additional skills and attitudes

Opportunity Orientation / External Focus





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CSE Dept.

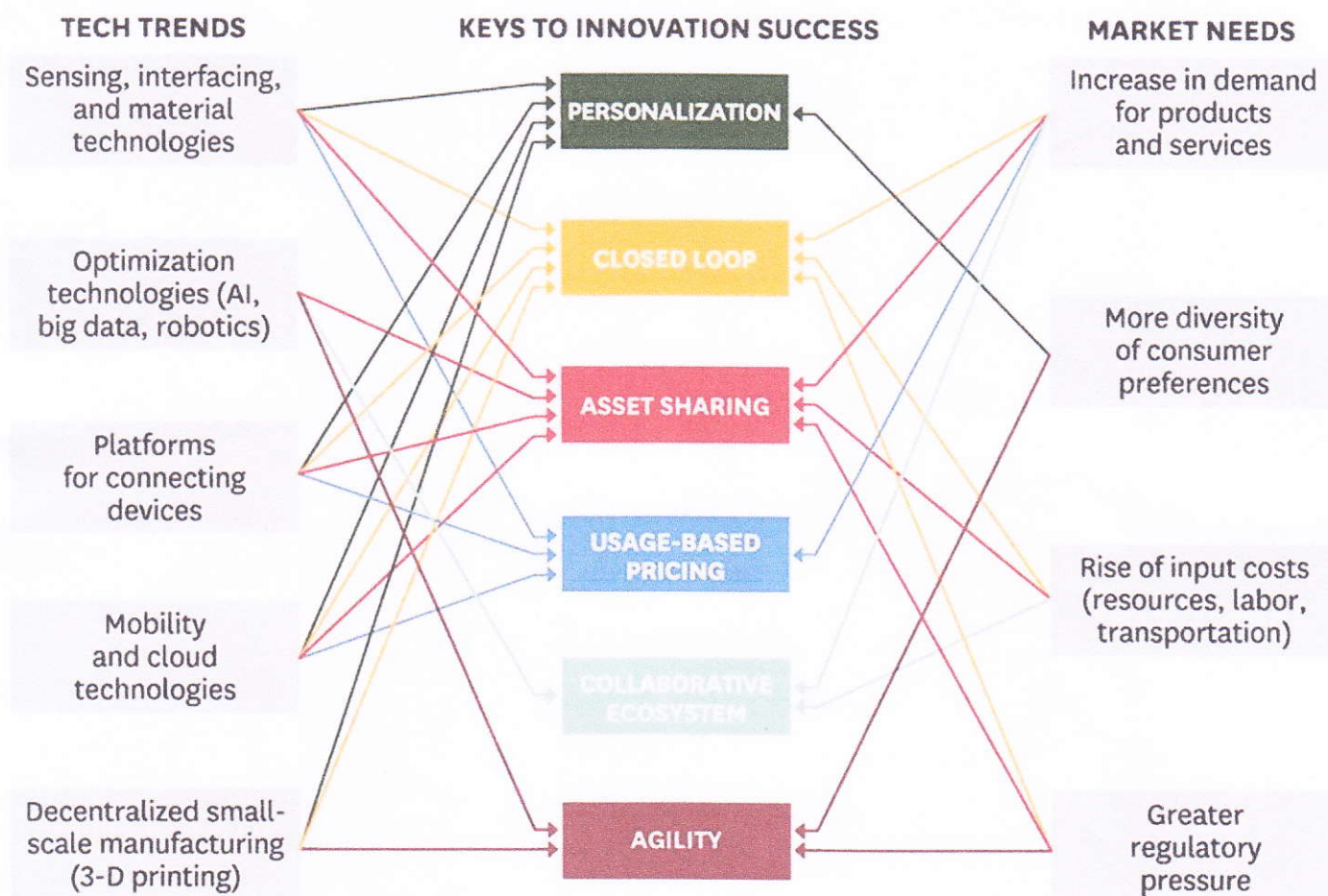
Academic

Teaching Aids

2021-22 (Odd)

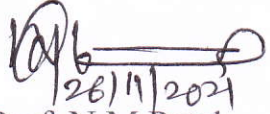
Linking Technology and the Market

The six features that characterize successful innovation all link a recognized technology trend and a recognized market need. Trends were identified by an analysis of regularly published industry reports from think tanks and consulting companies such as the McKinsey Global Institute, PwC, and the Economist Intelligence Unit.



SOURCE: STELIOS KAVADIAS, KOSTAS LADAS, AND CHRISTOPH LOCH
FROM "THE TRANSFORMATIVE BUSINESS MODEL," OCTOBER 2016

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Prof. N M Patel
Course Coordinator


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Academics

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2021-22 (ODD)

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6	2HN19CS004	AKSHATA KIRAN MOKASHI	
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32	2HN19CS032	SAHANA PATIL	
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34	2HN19CS034	SAKSHI PATIL	
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36	2HN19CS036	SEEMA TUGADALLI	
37	2HN19CS037	SHAIKH NIHAL SIRAJ	
38	2HN19CS038	SHARANABASAPPA	
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40	2HN19CS040	SNEHA S HIREKODI	



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52	2HN20CS402	PRIYANKA S NINGAI	
53	2HN20CS403	SUNIL ANIL SUTAR	

26/11/2022

Prof. N. M. Patel
Course Coordinator

26/11/22
Prof. S V Manjaragi
HOD, CSE

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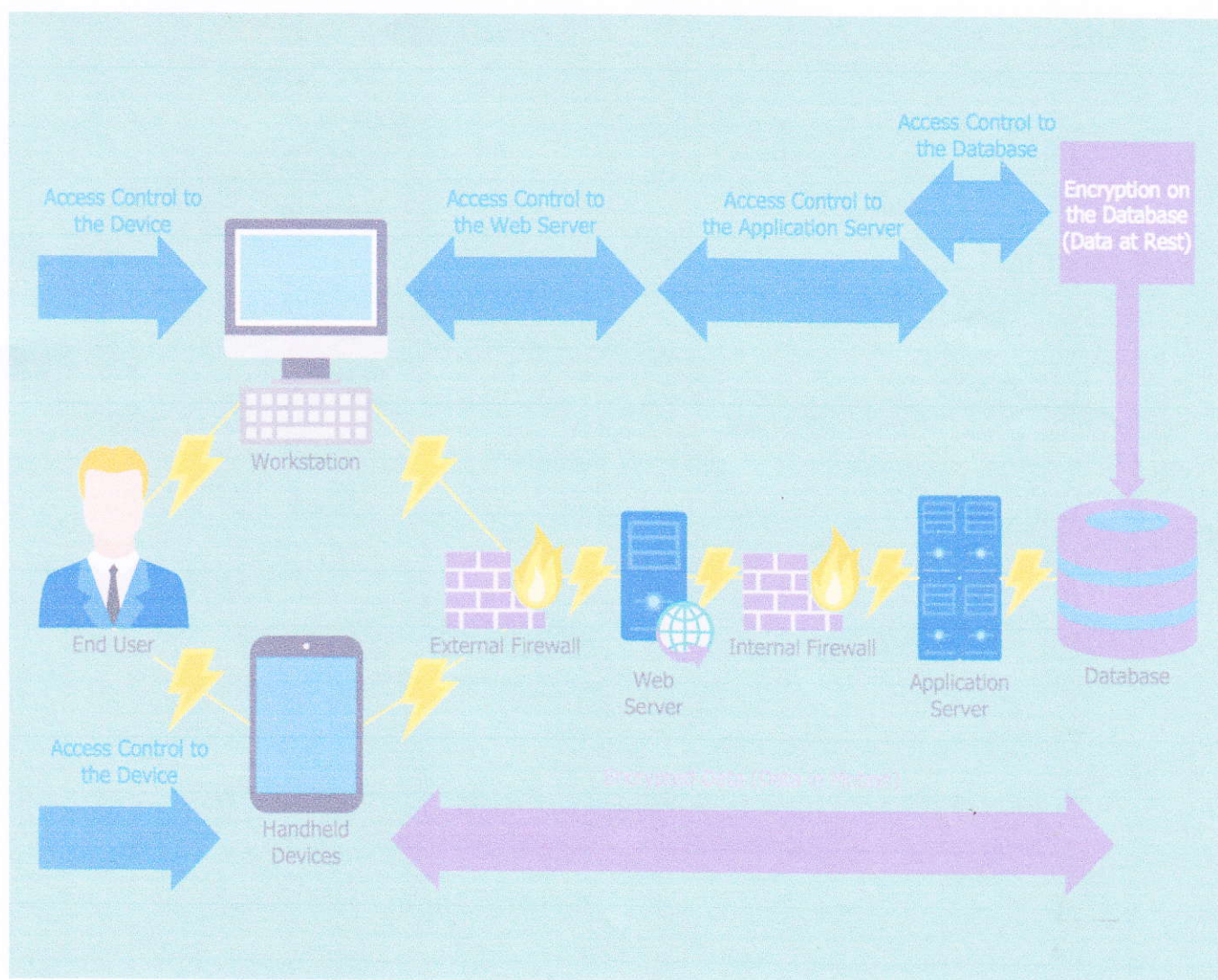
Teaching Aids

2021-22 (Odd)

Teaching Aids: Models/Charts

Date: 31/12/2021

1. Class/Semester: Third Year/ V
2. Course: Computer Networks & Security
3. Course Code: 18CS52
4. Topic: Network Security Mechanisms
5. Working Model (Photos/Charts):





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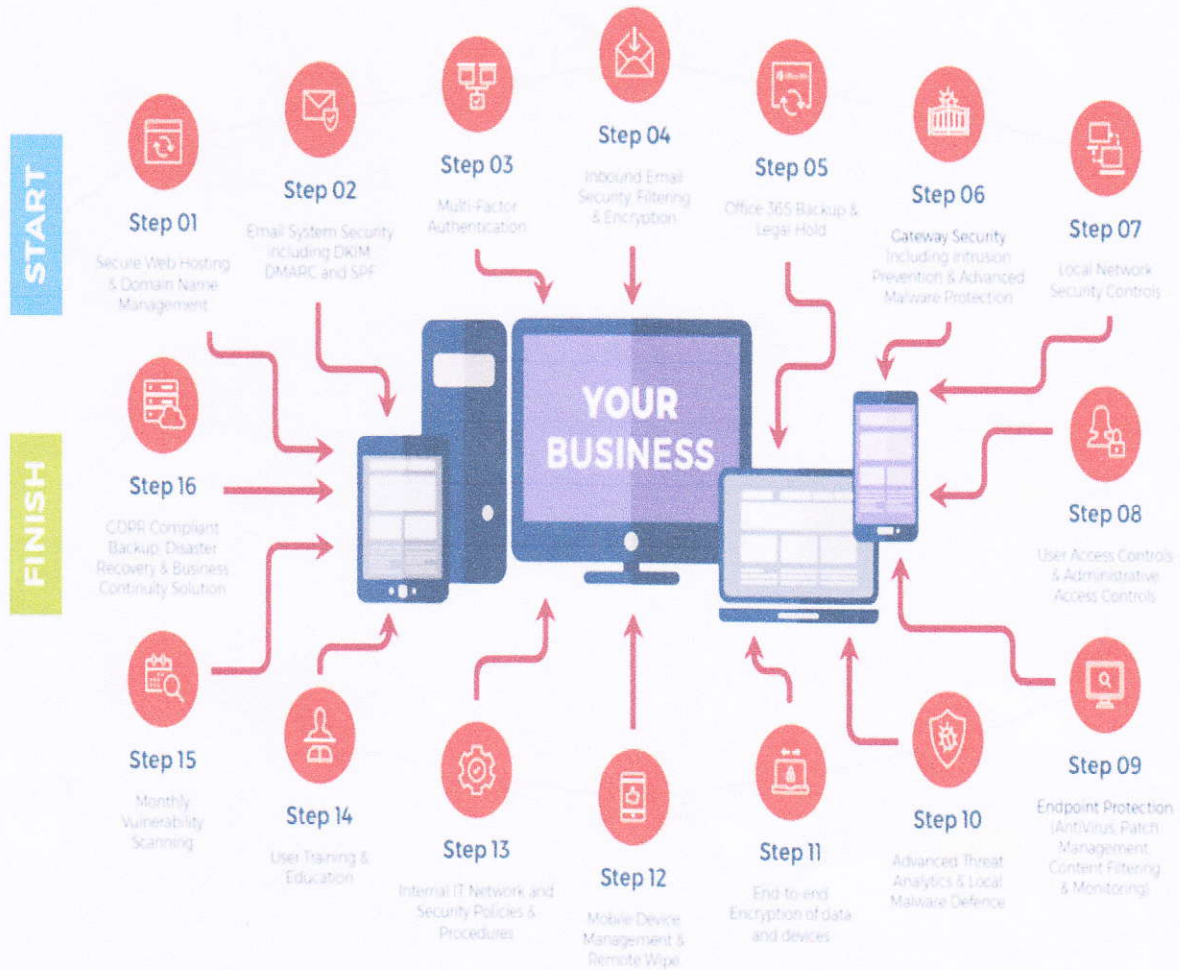
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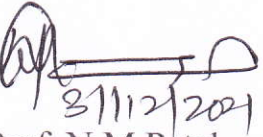
CSE Dept.

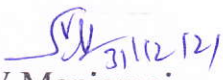
Academic

Teaching Aids

2021-22 (Odd)




31/12/2021
Prof. N M Patel
Course Coordinator


31/12/21
Prof. S V Manjaragi
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4	2HN19CS002	AISHWARYA MAGADUM	AISHWARYA
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7	2HN19CS005	AMRUTA A GUDIMANI	AMRUTA
8	2HN19CS006	ARATI CHOUDAJ	ARATI
9	2HN19CS007	ASHWATHRAJ NERLI	ASHWATHRAJ
10	2HN19CS008	BANDAVVA B SATIGOUDAR	BANDAVVA
11	2HN19CS009	BASAVARAJ BHANDARE	BASAVARAJ
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25	2HN19CS023	PRADEEP RAGHANNAVAR	PRADEEP
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27	2HN19CS026	PRANAV GADDI	PRANAV
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32	2HN19CS032	SAHANA PATIL	SAHANA
33	2HN19CS033	SAHANA PRAVEEN TELSANG	SAHANA
34	2HN19CS034	SAKSHI PATIL	SAKSHI
35	2HN19CS035	SAMIKSHA B CHOUGALE	SAMIKSHA
36	2HN19CS036	SEEMA TUGADALLI	SEEMA
37	2HN19CS037	SHAIKH NIHAL SIRAJ	SHAIKH
38	2HN19CS038	SHARANABASAPPA	SHARANABASAPPA
39	2HN19CS039	SNEHA GAJANAN SHITOLE	SNEHA
40	2HN19CS040	SNEHA S HIREKODI	SNEHA



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31/12/2021
Prof. N. M. Patel
Course Coordinator

31/12/21
Prof. S V Manjaragi
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	Hirasugar Institute of Technology, Nidasoshi		NAAC Cr. 2.3
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ICT Facilities

Department: Electronics and Communication Engineering

Sr. No.	Rooms	Room No.	ICT Tools & Facilities available
1	Class Rooms	D210	Over head LCD Projector, Screen, Computer System, 802.11n / 100Mbps WiFi.
		D211	Over head LCD Projector, Screen, Computer System, 802.11n / 100Mbps WiFi.
		D301	Over head LCD Projector, Screen, Computer System, 802.11n / 100Mbps WiFi.
2	Seminar Hall	C304	NIL
3	Laboratories	D306	VLSI Lab: Over head LCD Projector, Screen, Computer System, 802.11n / 100Mbps WiFi.
		D309	Research/CN/DSP Lab: Over head LCD Projector, Screen, Computer System, 802.11n / 100Mbps WiFi.



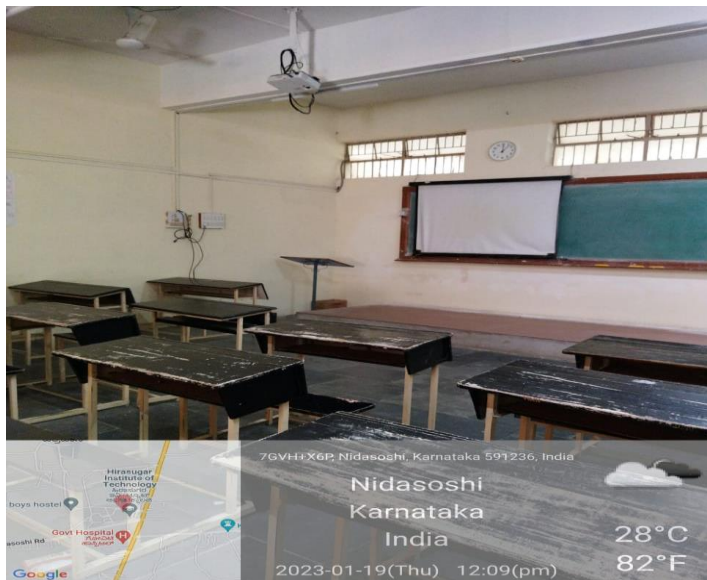
HOD

Electronics & Communication Engg.
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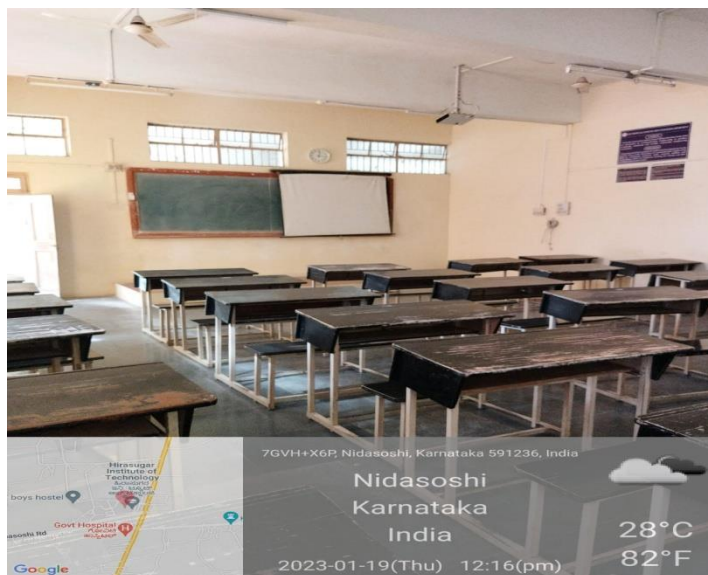


Photos

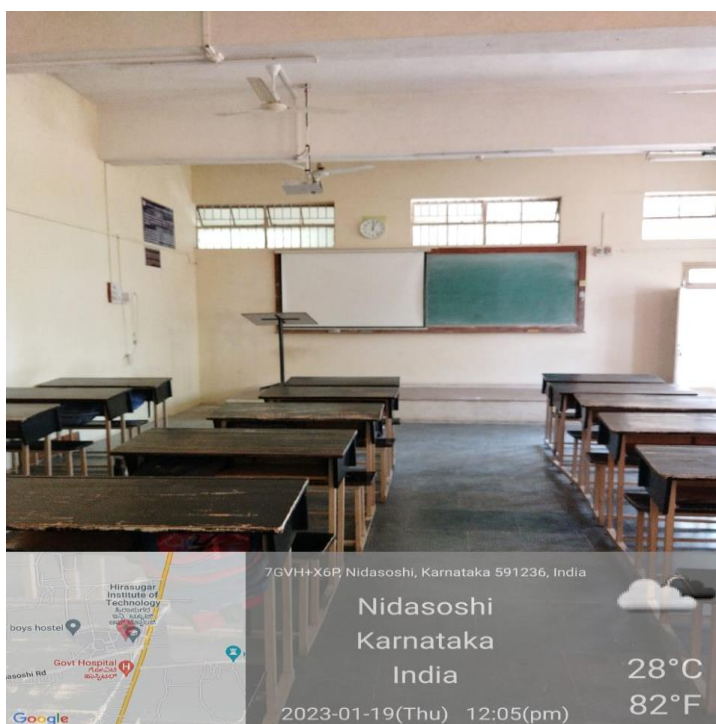
1. Class Rooms



D210



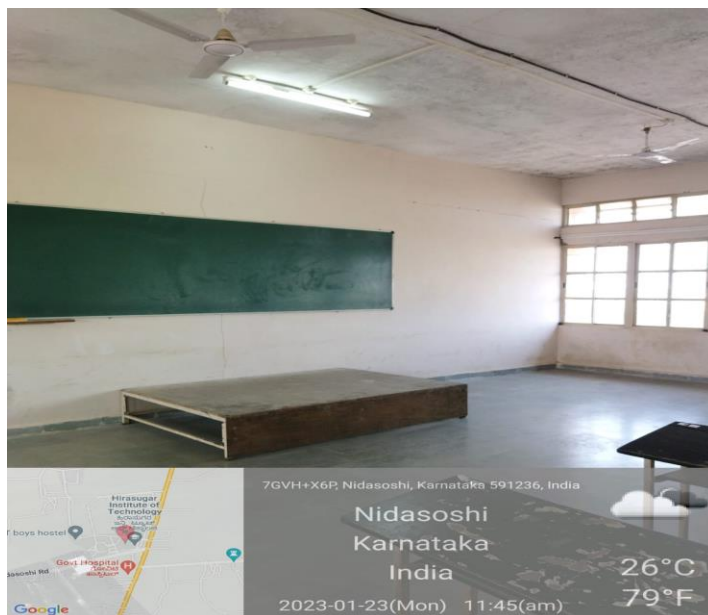
D211



D301



2. Seminar Room



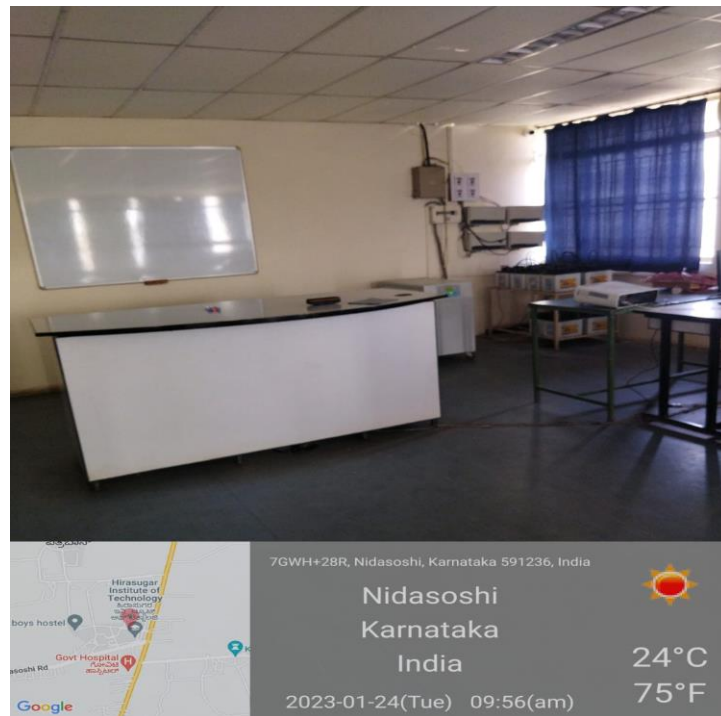
C304



3. Laboratories



D309



D306


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	Hirasugar Institute of Technology, Nidasoshi		NAAC Cr. 2.3
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Subject wise youtube links of the recorded lecture videos

Sr. No.	Subject with code	Sem .	Name of the faculty	Youtube Link
1	Signals and Systems (18EC45)	IV	Prof. S. S. Kamate	https://www.youtube.com/watch?v=CW3WaE798dU&t=7s https://studio.youtube.com/video/Ylqt1RtxCh4/edit https://studio.youtube.com/video/tAUHV_c40Ys/edit https://studio.youtube.com/video/ZoazF5VPXYc/edit https://studio.youtube.com/video/lwJYBgbfa0I/edit

Teaching Aids: Faculty wise YouTube Links

Sr.No.	Name of the Faculty	Youtube Links
1	Dr. S. B. Akkole	https://www.youtube.com/watch?v=8YMKnpdudMc
2	Prof. S. S. Malaj	https://youtu.be/HUuVEnMEtPo
3	Prof. S. S. Kamate	https://youtu.be/CW3WaE798dU
4	Prof. D. M. Kumbhar	https://youtu.be/qzxmhcK00DY
5	Prof. S. S. Patil	https://www.youtube.com/watch?v=OG91AIP_2XA
6	Prof. D. B. Madihalli	https://youtu.be/166G15J6lak
7	Prof. P. V. Patil	https://youtu.be/dwR3wuK1Jew
8	Prof. S. S. Ittannavar	https://youtu.be/HX4EMJqdeZI
9	Prof. B. P. Khot	https://youtu.be/2I6s3PPc4vs


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		NACC Cr 2.3
		ICT Facilities
		2021-22

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.

ICT Facilities

Department: **Electrical & Electronics and Engineering**

Sl. No	Location	ICT Facilities and tools available
1.	Class rooms	1. B303: Projector, Screen, Computer 2. B304: Projector, Screen, Computer 3. B305: Projector, Screen, Computer
2.	Seminar Hall	1. C204: Projector, Screen, Computer
3.	Laboratories	1. D205: Projector, Screen, Computer

Photos:

Class rooms

Room No: B303



Room No: B304





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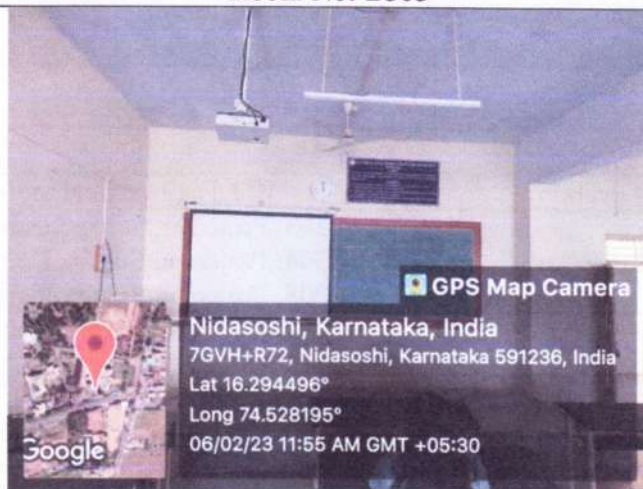
EEE

NACC Cr 2.3

ICT Facilities

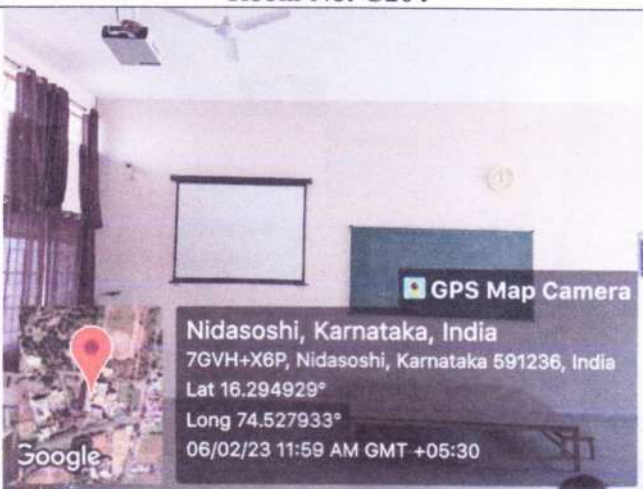
2021-22

Room No: B305



Seminar Hall

Room No: C204



Laboratory

Room No: D205




Dr. B. V. Madiggond
BE, ME, Ph.D.
Prof. & Head
Dept. of Electrical & Electronics Engg.
HIT NIDASOSHI-591 236

Nidasoshi-591 236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India.
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EEE Dept.

Academics

YouTube Links

2021-22

DEPARTMNET OF ELECTRICAL & ELECTRONICS ENGG.

S. N.	Name of the teacher	Name of the Subject	YouTube Channel Links
1	Dr. B. V. Madiggond	Transmission & Distribution	https://www.youtube.com/watch?v=rYqal2GdQm8&list=PL46Wb0JNFIZK73F-HRcQE1TivdxXjMWD_
2	Prof. S. D. Hirekodi	Electrical Machine Design	https://www.youtube.com/watch?v=ojxWbZqG-HA&list=PLux1Y9qIGZ3MAitb5PkcZXLStSPHCwnia
		Electrical machine-2 laboratory	https://www.youtube.com/watch?v=7kbzf3hqYhl&list=PLux1Y9qIGZ3Pe09ukLBldpPQJKZgc1IXX
3	Prof. M. P. Yanagimath	Smart Grid	https://www.youtube.com/watch?v=WxCHPig8hhQ&list=PL7SpxvadD8hwO_if7N6UOYIZpm7XLfs2K
		Smart Grid	https://www.youtube.com/playlist?list=PLMutLkNdkzILe7rBaOKybyEk1ECViOn3p
		Basic Electrical Engineering	https://www.youtube.com/watch?v=pZq_LNHxCA0&list=PL7SpxvadD8hy3_sCuzOnOr9aeNjnCBala
4	Prof. O. B. Heddurshetti	Sensors and Transducers	https://www.youtube.com/playlist?list=PLbitL.Sa6S3Thqp7rQN0R7ibr2hRmqxyZI
		Electrical machine-2 laboratory	https://www.youtube.com/playlist?list=PLbitL.Sa6S3TjoQ0-2Qia9QvU_terH15Ji
5	Prof. S. S. Birade	Industrial Drives and Applications	https://www.youtube.com/watch?v=DsgwxG-nqdY&list=PLfwpyGsOxuna98fhe4YzEk8BLmdaB_J7w
		Operational Amplifier and Linear IC lab	https://www.youtube.com/watch?v=31Y8DDNpWbg&list=PLfwpyGsOxunYftd_HTUpGNEFQTaeNOKgr
6	Prof. K.B. Negalur	Control System	https://www.youtube.com/watch?v=N-s9xJ50h6E&list=PLIcj8n6N8Iuexzmn_eyReer2KddHHW3Ma
		Integration Of Distributed Generation	https://www.youtube.com/watch?v=AOdSd0tYSKI&list=PLIcj8n6N8IufxkZoVTvcrd5PkectCBuJ3
7	Prof. H. R. Zinage	Power System Operation & Control	https://www.youtube.com/playlist?list=PLkdOYoe0oe4d0mgKSod4SjpPg8DB04uZy
		Basic Electrical Engg Lab	https://www.youtube.com/watch?v=k7frw-PLOp0&list=PLkdOYoe0oe4eF5F5_d-ccvcalnkOrurCf
8	Prof. S. G. Huddar	Power Generation and Economics	https://www.youtube.com/playlist?list=PLeQsM8LJolh6bEvTQIALi0uiSKr-jhPmH
9	Prof. P. M. Murari	Power System Analysis-I	https://youtube.com/playlist?list=PLA_Z2d43MPGskiAkyfhQ5NH5tISAQU3pl
		Basic Electrical Engineering	https://youtube.com/playlist?list=PLA_Z2d43MPGuIXBawOj445-SYCjQzXHkM
10	Prof. A. U. Nehsti	Electromagnetic Field Theory	https://www.youtube.com/channel/UCr9WjKrdR28Wg50TbrIS9WA
		Basic Electrical Engineering Lab	https://www.youtube.com/playlist?list=PLbg3EfQjU65atqCwC3Z7I8J6JZ1Mce3dB

Dr. B. V. Madiggond

Prof. & Head BE, ME, Ph.D.

Dept. of Electrical & Electronics Engg.
HIT NIDASOSHI-591 236Nidasoshi-591 236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India.
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E&E Engg. Dept.

2021-22

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.**List of Faculty using ICT tools**

Sl. No.	Name of the faculty
1.	Dr. B. V. Madiggond
2.	Prof. V. B. Dhere
3.	Prof. S. D. Hirekodi
4.	Prof. H. R. Zinage
5.	Prof. M. P. Yenagimath
6.	Prof. O. B. Heddurshetti
7.	Prof. A. U. Neshti
8.	Prof. P. M. Murari
9.	Prof. S. S. Birade
10.	Prof. K. B. Negalur
11.	Prof. S. G. Huddar

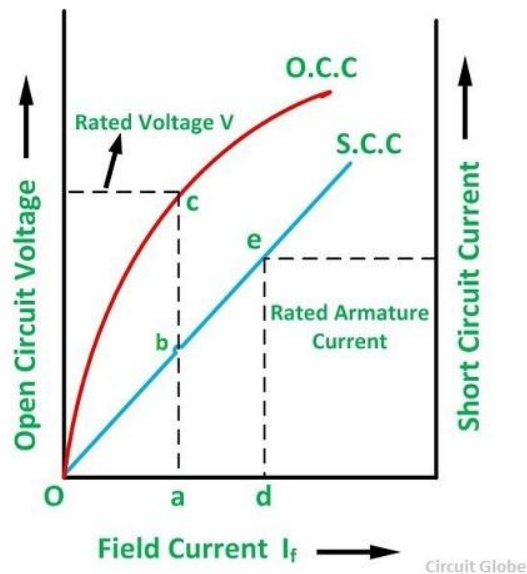

Dr. B. V. Madiggond
Prof. & Head BE,ME,Ph.D.
Dept. of Electrical & Electronics Engg.
HIT NIDASOSHI-591 236

Electrical Machine Design

Module-5

Design of Synchronous Machine

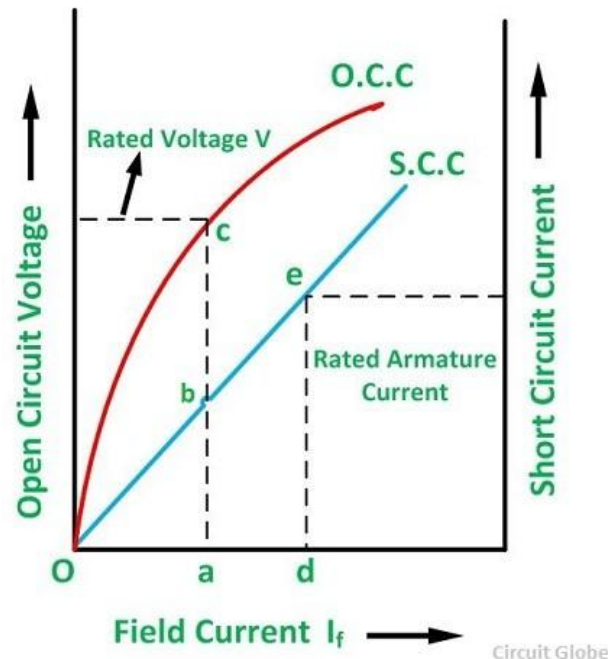
Topic: Short Circuit Ratio(SCR)



Prepared by
S.D.Hirekodi
Asst. Professor
Dept of EEE
HIT-Nidasoshi
Dist:Belagavi,Karnataka
9480849338
email id:sdhirekodi.eee@hsit.ac.in

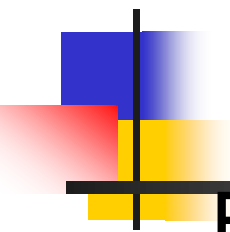
Short Circuit Ratio(SCR)

The SCR of a synchronous machine is defined as the ratio of **field current** required to produce **rated voltage on open circuit** to field current required to circulate **rated current at short circuit**.



$$\text{SCR} = \frac{I_f \text{ for rated O. C volatge}}{I_f \text{ for rated S. C current}} = \frac{Oa}{Od} \dots \dots \dots (1)$$

- The short circuit ratio can be obtained from the **open circuit characteristic (O.C.C)** at rated speed and the **short circuit characteristic (S.C.C)** of a three-phase synchronous machine

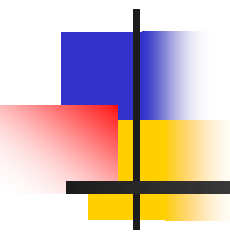


HIGH VOLTAGE ENGINEERING

Faculty Name : ONKAR B HEDDURSHETTI

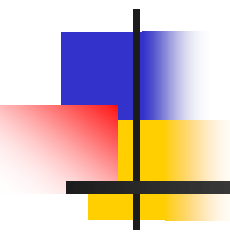
Designation : ASST.PROFESSOR

Department : EEE

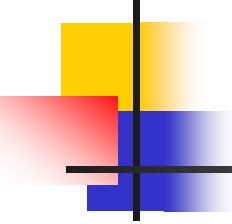


MODULE-I

CONDUCTION AND ELECTRICAL
BREAKDOWN IN GASES, LIQUID
DIELECTRICS AND BREAKDOWN
IN SOLID DIELECTRICS.

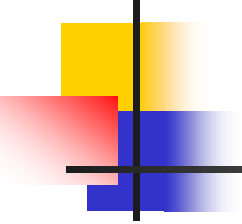


CONDUCTION AND ELECTRICAL BREAKDOWN IN GASES



Gases as Insulating Media

- The simplest and the most commonly found dielectrics are gases.
- Most of the electrical apparatus use air as the insulating medium.
- In a few cases other gases such as nitrogen (N_2), carbon dioxide (CO_2), freon (CCl_2F_2) and sulphur hexafluoride (SF_6) are also used.

- 
-
- where α_x is the value of α at the head of the avalanche, and p is the gas pressure.
 - The criterion for the formation of the streamer is reached when the space charge field Er approaches a value equal to the applied field at the head of the avalanche.

Hirasugar Institute of Technology, Nidasoshi

Department of Electrical & Electronics Engineering

ICT [Information and Communication Technology] Material

On

Power system Analysis-2

Prof Hemalata R Zinage

Asst.Prof

Dept of E&E Engg

Module 1: Load flow studies

Graph Theories

Important Definitions

A **graph** shows the geometrical interconnection of the elements of a network.

A **subgraph** is any subset of elements of the graph.

A **path** is a subgraph of connected elements with not more than two elements connected to any one node.

A graph is connected if and only if there is a path between every pair of nodes.

If each element of the connected graph is assigned a direction then it is an **oriented graph**.

A representation of a power system and the corresponding graph and oriented graph are shown in Figs. 2.1, 2.2 and 2.3.

A **tree** is a connected subgraph of a connected graph having all the nodes of the graph but without any closed path (or) loop. The elements of a tree are called tree branches (or) twigs and are denoted by thick lines.

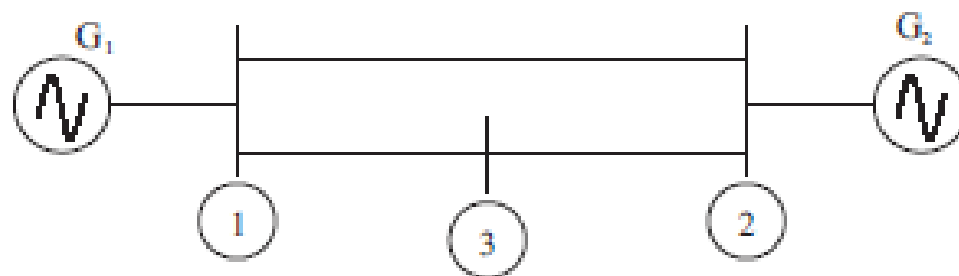


Fig. 2.1: Single-line diagram of power system.



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ME
NAAC Cr 2.3
ICT Facilities
2021-22

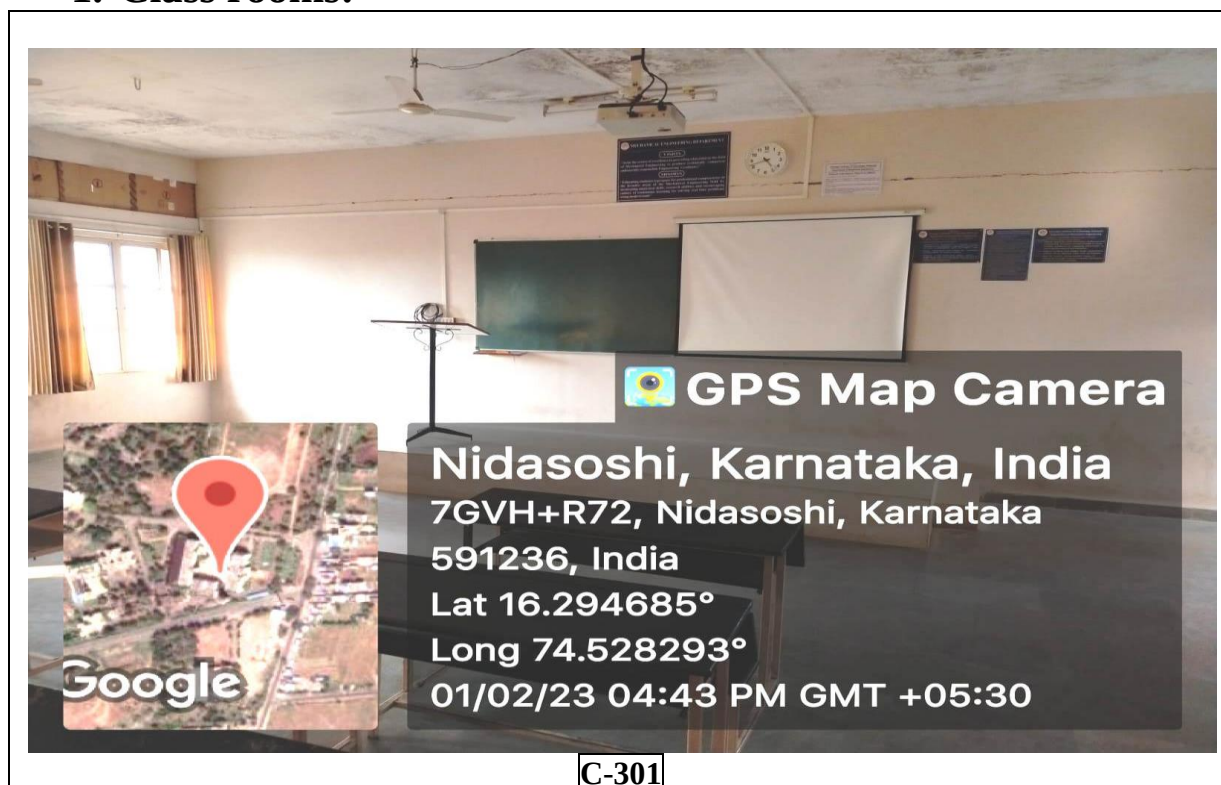
ICT Facilities

Department: Mechanical Engineering.

Sl. No	Place	ICT Facilities and tools available
1.	Class rooms	1. LCD Projectors (03)
2.	Seminar Hall	1. LCD Projector (01) 2. Personal Computers (01)
3.	Laboratories	1. LCD Projector (04) 2. Personal Computers (75) (including EC& M/c Shop Lab) 3. System Softwares (38 Nos) 4. Application Softwares (22 Nos) 5. Smart Board (01) 6. Printers (03)
4.	HOD Chamber	1. LCD Projector (01) 2. Personal Computers (03) 3. Printers (04) 4. Scanner (01)
5	Prof. M M Shivashimpi	Personal Computers (01)
6	Prof. K M Akkoli	Personal Computers (01)
7	Prof. M S Fhutane	Personal Computers (01)
8	Prof. D N Inamdar	Personal Computers (01) Printer (01)

Photos:

1. Class rooms:

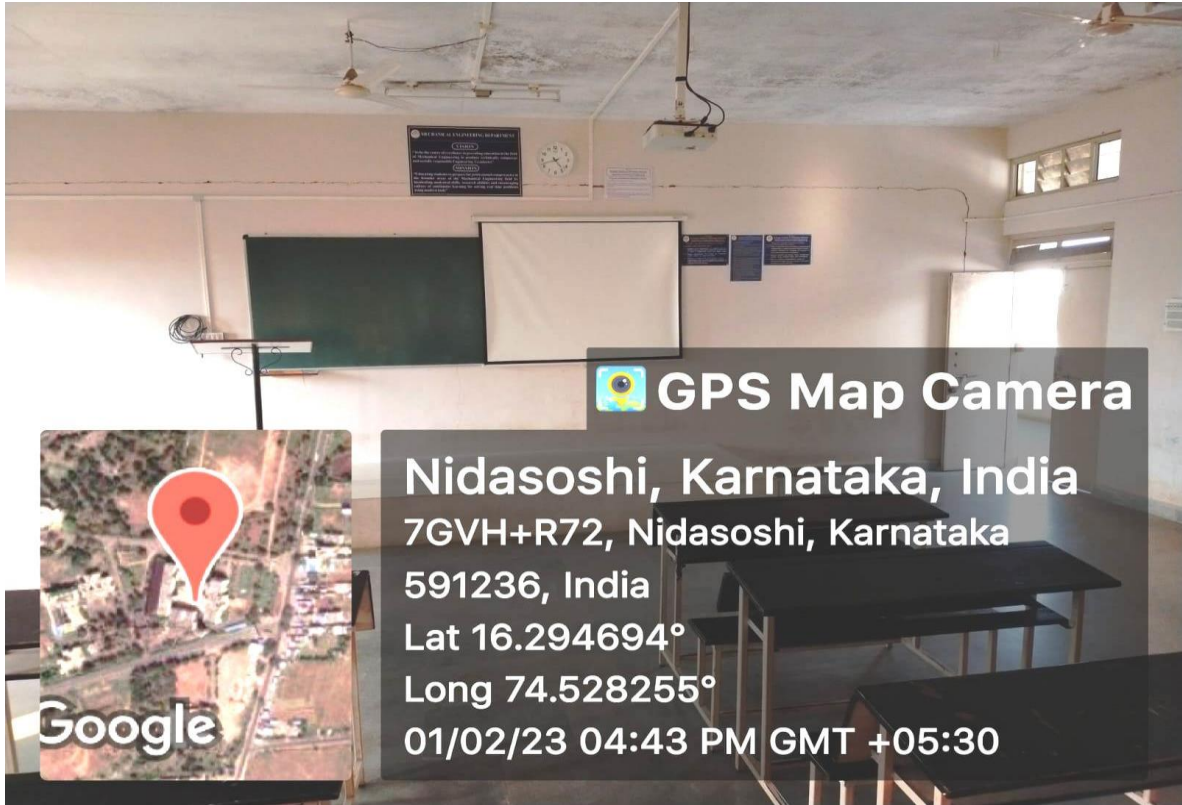




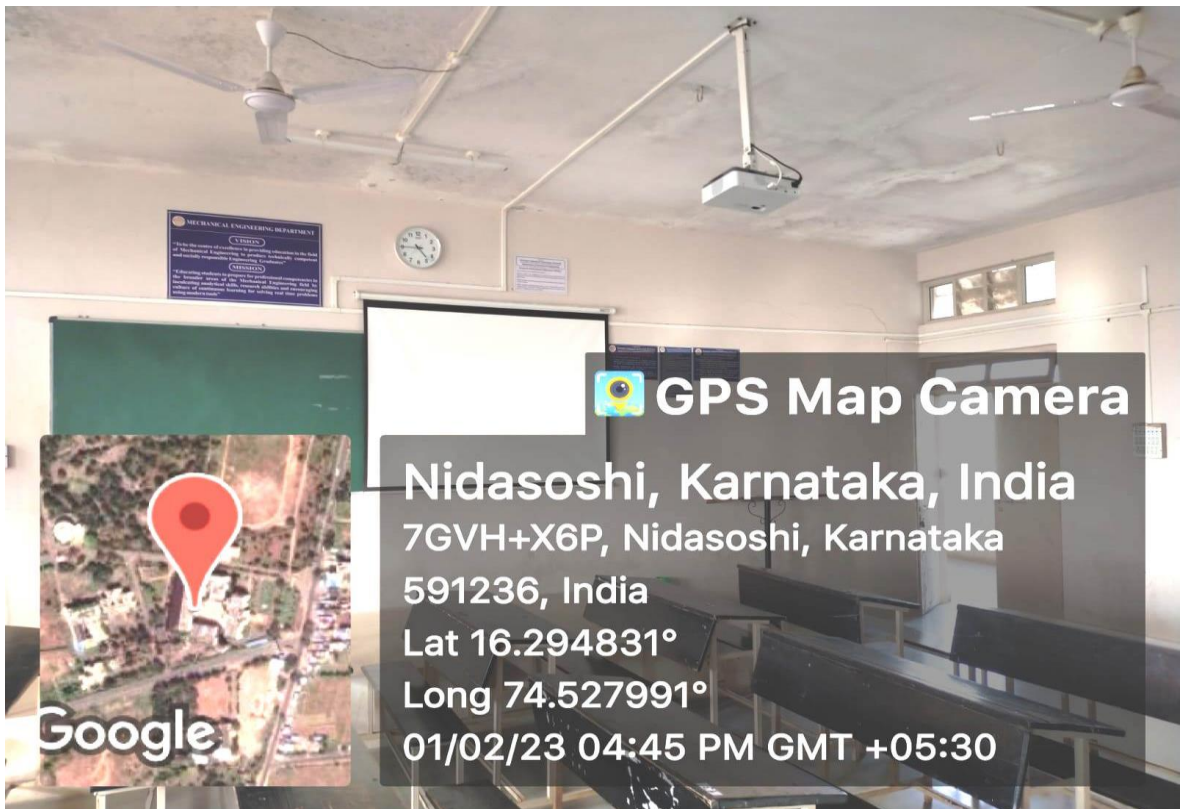
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ME
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ICT Facilities
2021-22



C-302



C-303

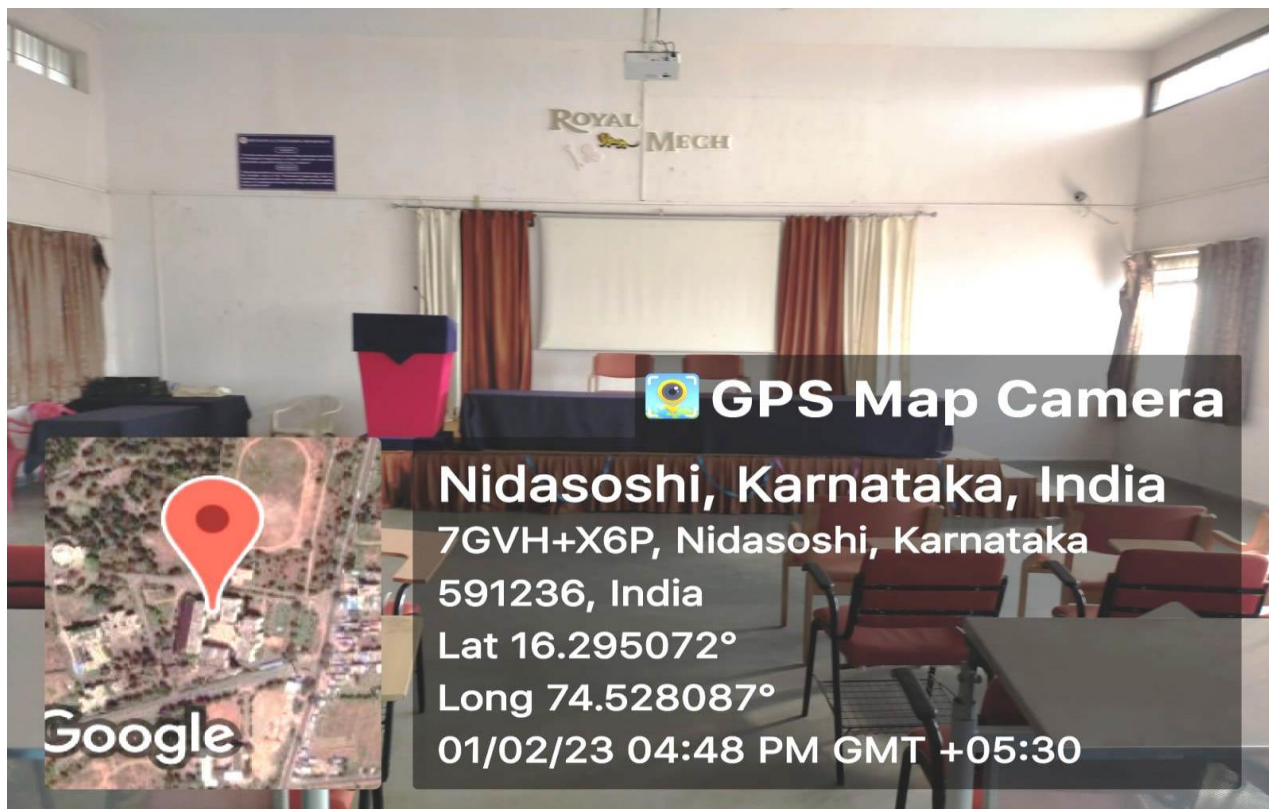


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ME
NAAC Cr 2.3
ICT Facilities
2021-22

2. Seminar Hall:



C-205

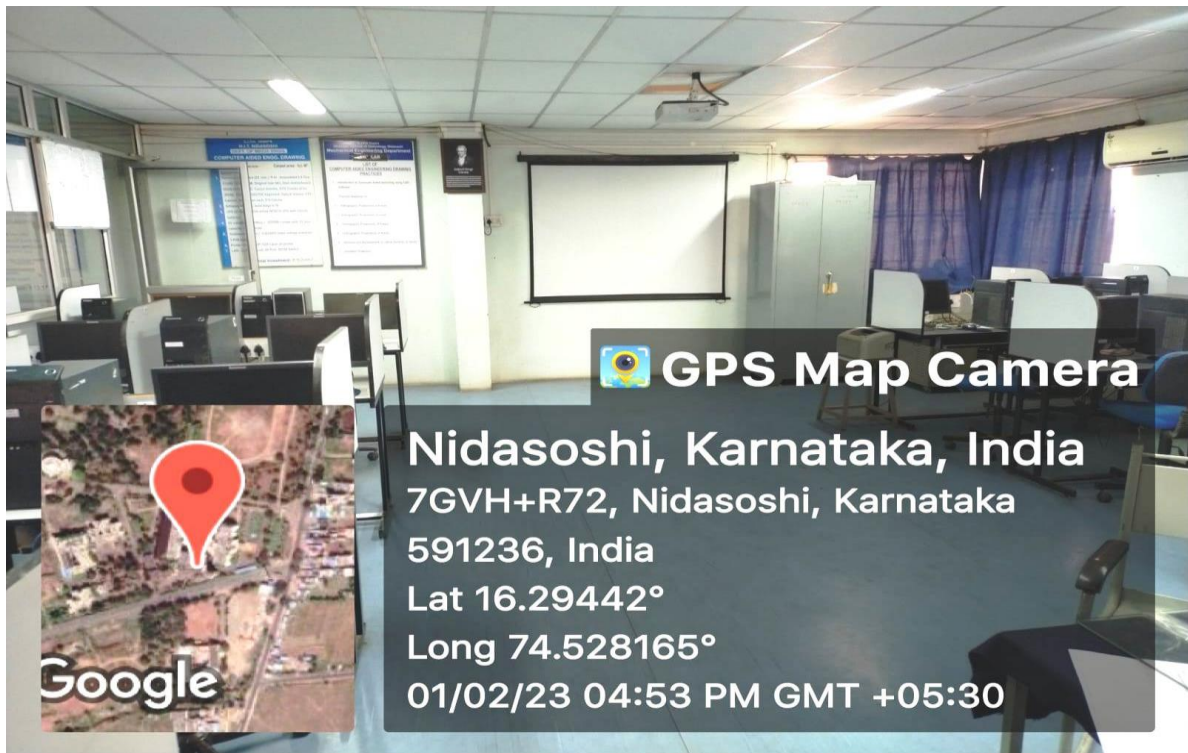


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NAAC Cr 2.3
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2021-22

3. Laboratories:



CAED LAB (B306)



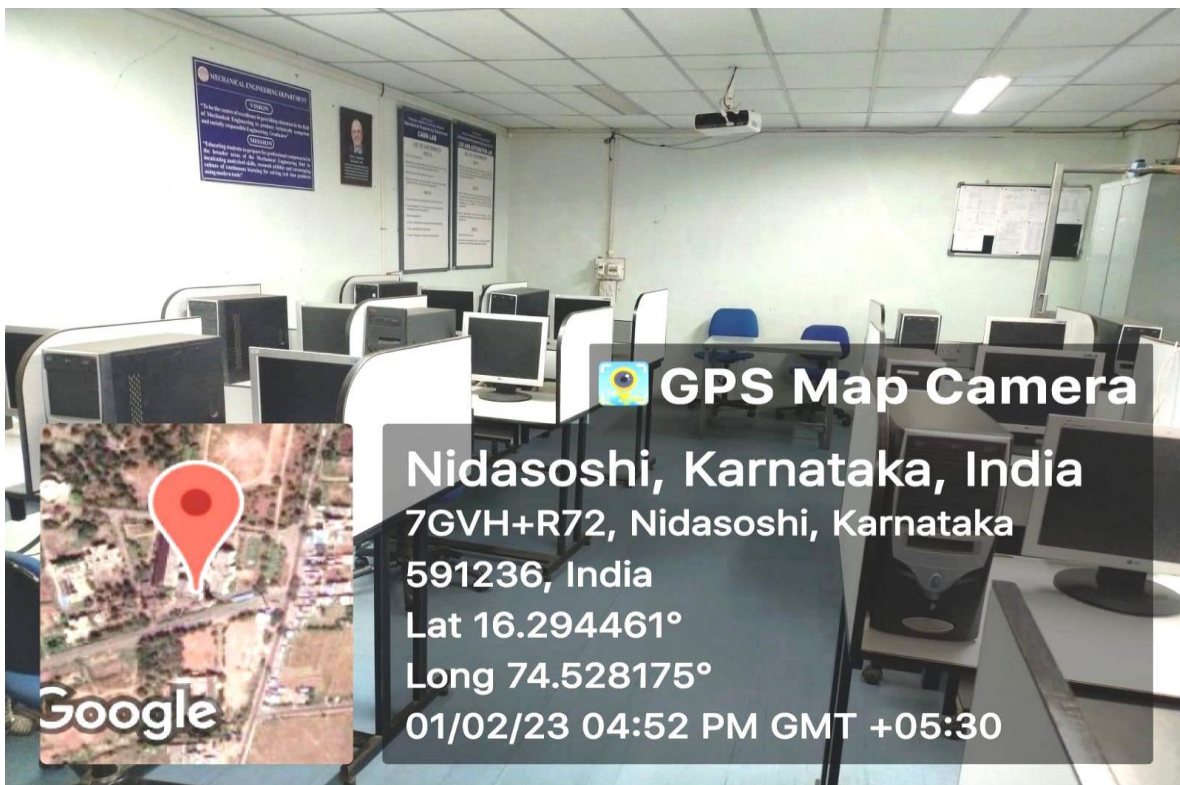
CAMD LAB (B306A)



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CAMA LAB (B306B)



Research and Development Lab (C102)



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ME
NAAC Cr 2.3
ICT Facilities
2021-22

ICT facilities available in classrooms, seminar halls, and labs

Sl. No.	ICT Facilities	Place & Room No	Qty
01	LCD Projector	Class Room - C301	01 No
02	LCD Projector	Class Room - C302	01 No
03	LCD Projector	Class Room - C303	01 No
04	LCD Projector	Seminar Hall - C206	01 No
	Personal Computers		01 No
05	LCD Projector	Research & Development Laboratory – C102	01 No
	Personal Computers		10 Nos
	Smart Board		01 No
	Software		16 Nos
	Printer		01 No
06	LCD Projector	CAED LAB - B306	01 No
	Personal Computers		22 Nos
	Software		01 No
	Printer		01 No
07	LCD Projector	CAMD LAB - B306A	01 No
	Personal Computers		22 Nos
	Printer		01 No
08	LCD Projector	CAMA LAB - B306B	01 No
	Personal Computers		21 Nos
	Software		05 Nos
09	LCD Projector	HOD Chamber	01 No
	Personal Computers		03 Nos
	Printers		04 Nos
	Scanner		01 No
10	Personal Computers	Prof. M M Shivashimpi	01 No
11	Personal Computers	Prof. K M Akkoli	01 No
12	Personal Computers	Prof. M S Fhutane	01 No
13	Personal Computers	Prof. D N Inamdar	01 No
	Printer		01 No

Sl.No.	ICT Facilities	Total
01	Personal Computers	83 Nos.
02	LCD Projectors	09 Nos.
03	System Softwares	38 Nos.
04	Application Softwares	22 Nos.
05	Smart Board	01 No.
06	Printers	08 Nos
07	Scanner	01 No

(Signature)
03/02/2023
HOD

Mechanical Engg.
HIT, Nidasoshi