Index

Criterion No.: 2.3.2

Criterion Details: Teachers use ICT enabled tools for Effective Teaching-Learning process.

S.No.	Particulars	Annexure No.
1.	Sample of Quiz and MCQ	Annexure - I
2.	Picture of Server Rooms and Hardware	Annexure - II
3.	Sample Lesson Plan with all types of delivery methods	Annexure - III
4.	Sample of Powerpoint Presentations (PPTs)	Annexure – IV
5.	Bills of Digital Book & Digital Library	Annexure – V
6.	Geotagged Photographs of Classrooms Equipped with Smart Board, Projectors and Virtual Labs	Annexure – VI
7.	Educational Resources Created by Faculty	Annexure - VII
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9	Electronic Media Production Centre (EMPC) facility created at the Institute	Annexure - IX

Annexure I

Sample of Quiz and MCQ

Tulas' Institute : BJMC

Advertising and PR
BJMC 302

* Indicates required question

1. Student Name *

2. Student email id *

3. Student Roll no. *

4. 1. **What is the primary goal of advertising?** 2 points

Mark only one oval.

- a. Build relationships
- b. Increase brand awareness
- c. Public service
- d. Internal communication

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5. 2. **Which advertising medium is known for its short-duration, high-impact messages?** 2 points

Mark only one oval.

- a. Television
- b. Radio
- c. Print
- d. Social media

6. 3. **What is the term for a specific group of people identified as the target audience for an advertising campaign?** 2 points

Mark only one oval.

- a. Demographic
- b. Psychographic
- c. Target market
- d. Segment

7. 4. **Which of the following is a key element of a well-crafted advertising message?** 2 points

Mark only one oval.

- a. Complexity
- b. Ambiguity
- c. Simplicity
- d. Lengthiness

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8. 5. **Public Relations (PR) is primarily focused on:** 2 points

Mark only one oval.

- a. Direct sales
- b. Building and maintaining relationships
- c. Creating advertisements
- d. Market research

9. 6. **What is the purpose of a press release in Public Relations?** 2 points

Mark only one oval.

- a. Advertising products
- b. Crisis management
- c. Employee communication
- d. Media coverage

10. 7. **Which term refers to a planned effort to influence public opinion through good character and responsible performance?** 2 points

Mark only one oval.

- a. Crisis communication
- b. Reputation management
- c. Image building
- d. Stakeholder engagement

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11. 8. **What does the AIDA model represent in advertising?** 2 points

Mark only one oval.

- a. Attention, Interest, Desire, Action
- b. Awareness, Interest, Decision, Action
- c. Admiration, Involvement, Dedication, Achievement
- d. Analysis, Implementation, Development, Adaptation

12. 9. **In PR, what is the purpose of a media kit?** 2 points

Mark only one oval.

- a. Provide information to the public
- b. Advertise products
- c. Educate employees
- d. Manage internal conflicts

13. 10. **Which term describes a situation where a company's reputation is damaged due to negative publicity?** 2 points

Mark only one oval.

- a. Image crisis
- b. Brand dilemma
- c. Public scandal
- d. Reputation management

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14. 11. **What is guerrilla marketing?** 2 points

Mark only one oval.

- a. Traditional advertising
- b. Unconventional and low-cost marketing tactics
- c. Online advertising
- d. Print advertising

15. 12. **Which social media platform is often used for influencer marketing?** 2 points

Mark only one oval.

- a. Twitter
- b. LinkedIn
- c. Instagram
- d. Pinterest

16. 13. **What is the purpose of a call-to-action (CTA) in advertising?** 2 points

Mark only one oval.

- a. Provide contact information
- b. Encourage the audience to take a specific action
- c. Share product details
- d. Create brand awareness

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17. 14. **Which type of advertising involves non-personal communication through mass media?** 2 points

Mark only one oval.

- a. Personal selling
- b. Direct marketing
- c. Public relations
- d. Mass media advertising

18. 15. **In PR, what does the acronym CSR stand for?** 2 points

Mark only one oval.

- a. Corporate Sales Revenue
- b. Customer Service Rating
- c. Corporate Social Responsibility
- d. Consumer Satisfaction Ratio

19. 16. **What is the purpose of a SWOT analysis in advertising and PR?** 2 points

Mark only one oval.

- a. Assessing competitors
- b. Evaluating internal strengths and weaknesses
- c. Analyzing market trends
- d. Identifying target audience

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20. 17. **Which of the following is NOT a component of the communication process in advertising?** 2 points

Mark only one oval.

- a. Sender
- b. Message
- c. Receiver
- d. Profit

21. 18. **What role does a spokesperson play in PR?** 2 points

Mark only one oval.

- a. Designing advertisements
- b. Handling media inquiries and representing the organization
- c. Analyzing market trends
- d. Conducting market research

22. 19. **What is the primary purpose of crisis communication in PR?** 2 points

Mark only one oval.

- a. Proactive management of potential issues
- b. Building brand awareness
- c. Creating positive advertisements
- d. Boosting sales

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23. 20. **Which factor is essential for successful integrated marketing communications (IMC)?** 2 points

Mark only one oval.

- a. Isolation of advertising and PR efforts
- b. Consistent and coordinated messaging
- c. Limited use of social media
- d. Independent marketing channels

24. 21. **What is the term for the ratio of the number of people who see an advertisement to the total population?** 2 points

Mark only one oval.

- a. Click-through rate (CTR)
- b. Conversion rate
- c. Reach
- d. Engagement rate

25. 22. **Which PR activity involves building relationships with the community and creating a positive image for the organization?** 2 points

Mark only one oval.

- a. Media relations
- b. Community relations
- c. Crisis management
- d. Internal communications

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26. 23. **What is the primary purpose of an elevator pitch in advertising and PR?** 2 points

Mark only one oval.

- a. Crisis communication
- b. Employee training
- c. Concise presentation of key information in a short time
- d. Market research

27. 24. **Which stage of the product life cycle is focused on creating awareness and building interest in the product?** 2 points

Mark only one oval.

- a. Introduction
- b. Growth
- c. Maturity
- d. Decline

28. 25. **Which term describes the deliberate use of misleading information to manipulate public opinion?** 2 points

Mark only one oval.

- a. Propaganda
- b. Authenticity
- c. Transparency
- d. Accountability

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Tulas' Institute : Department of Civil Engineering

SUBJECT: TRANSPORTATION ENGINEERING-1
SUBJECT CODE: (BCET-404)

* Indicates required question

1. Student Name *

2. Student Roll Number *

3. Student Email id *

4. 1. What is Highway Engineering? 2 points

Mark only one oval.

- a) Highway Engineering is a specialized field of Civil Engineering
- b) Highway Engineering is a specialized field of Concrete Technology
- c) Highway Engineering is a specialized field of Transportation Engineering
- d) None of the mentioned

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5. 2. What is the use of highways? 2 points

Mark only one oval.

- a) Highways were created to connect cities and villages
- b) Highways is the quickest option
- c) Highways reduce travel time by half
- d) All of the mentioned

6. 3. The road foundation for modern highways construction, was developed by which of the following scientists? 2 points

Mark only one oval.

- a) Telford
- b) Macadam
- c) Tresguet
- d) Both Telford and Macadam

7. 4. The New highway project is divided into how many stages? 2 points

Mark only one oval.

- a) Four
- b) Three
- c) Two
- d) One

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8. 5. Which of the following does not include in the phases of highway planning? 2 points

Mark only one oval.

- a) Financing
- b) Showing the phasing of a plan in the five-year plan
- c) Assessment of road length requirement
- d) Preparation of master plan

9. 6. Which of the following is a commercial element in highway construction? 2 points

Mark only one oval.

- a) Material
- b) Environmental aspects
- c) Installation technique
- d) Traffic

10. 7. The maximum number of cities and towns are connected by which type of highway? 2 points

Mark only one oval.

- a) State highway
- b) Village road
- c) National highway
- d) Major district road

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11. 8. Which of the following is the longest international highway? 2 points

Mark only one oval.

- a) Karakoram highway
- b) Australia highway 1
- c) Pan-American highway
- d) Trans-Canada highway

12. 9. As per the Nagpur plan, the un-surfaced roads were meant for _____ 2 points

Mark only one oval.

- a) Other district road and village road
- b) Major district road
- c) State highway
- d) National highway

13. 10. Which of the following is not considered when designing highways? 2 points

Mark only one oval.

- a) Settlement
- b) Cross section
- c) Level of service
- d) Sight distance

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14. 11. Which of the following is the process of removing and controlling excess surface and sub soil water within the roadway? 2 points

Mark only one oval.

- a) Highway finance
- b) Highway drainage
- c) Highway Engineering
- d) Highway maintenance

15. 12. Which of the following types of roads are most preferred for highways? 2 points

Mark only one oval.

- a) Unpaved surfaces
- b) Bituminous roads
- c) Cement concrete roads
- d) Gravel roads

16. 13. Design of road intersections is a part of _____ 2 points

Mark only one oval.

- a) Harbour engineering
- b) Highway engineering
- c) Railway engineering
- d) Traffic engineering

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17. 14. The surveys of highway alignment are completed in how many stages? 2 points

Mark only one oval.

- a) Four
- b) Three
- c) Two
- d) One

18. 15. Highway should be planned for _____ 2 points

Mark only one oval.

- a) Traffic studies
- b) Present requirements
- c) Present requirements and future requirements
- d) Traffic developments

19. 16. Which of the following will be most preferred for highway lighting during highway construction? 2 points

Mark only one oval.

- a) Intersections
- b) City
- c) Village
- d) Town

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20. 17. The scope of highway engineering is divided into how many parts? 2 points

Mark only one oval.

- a) Four
- b) Three
- c) Two
- d) One

21. 18. What is the first step in highway construction after paperwork? 2 points

Mark only one oval.

- a) Evaluation
- b) Bill of quantities
- c) Surveying
- d) Estimation

22. 19. The design speed on a highway is 60kmph; calculate the super elevation if radius of curve
is 150m and coefficient of friction is 0.15. 2 points

Mark only one oval.

- a) 0.15
- b) 0.04
- c) 0.038
- d) 0.07

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23. 20. Which of the following requirement is given most importance in highway design? 2 points

Mark only one oval.

- a) Maintenance
- b) Seasonal
- c) Functional
- d) Structural

24. 21. The current highway development works in India are undertaken by? 2 points

Mark only one oval.

- a) NHDP
- b) State governments
- c) Govt. of India
- d) NHAI

25. 22. The highway research Board was set up in which year? 2 points

Mark only one oval.

- a) 1963
- b) 1973
- c) 1947
- d) 1953

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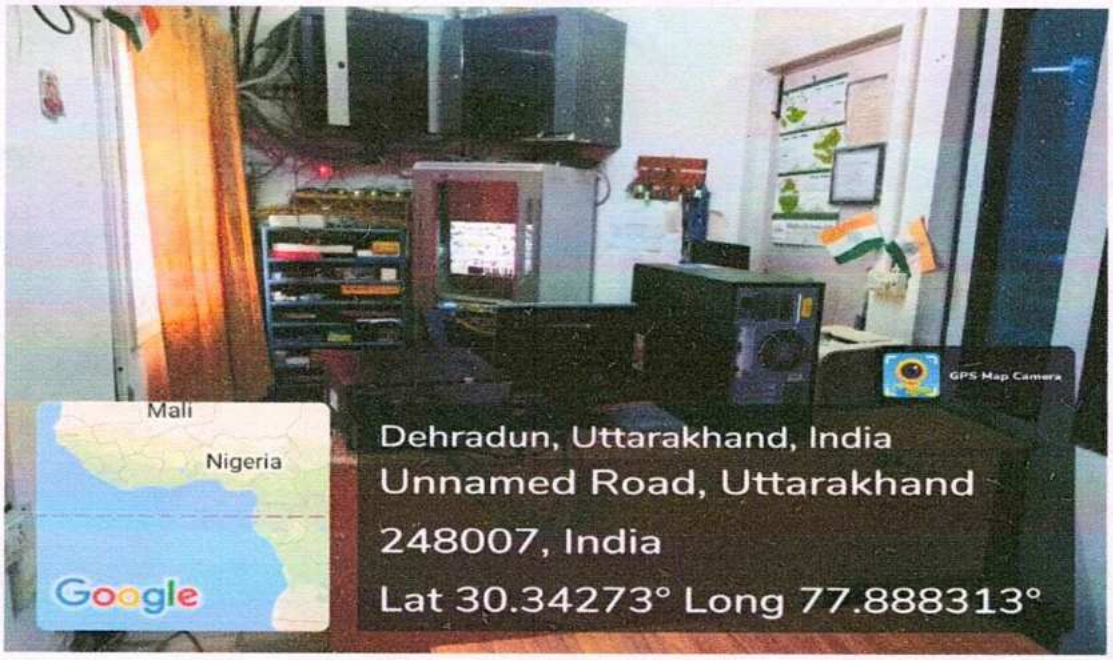
Annexure-II

Picture of server room and hardware

Server Room



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Reprography

Reprography

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Reprography

Reprography

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Annexure III

Sample Lesson Plan with all types of delivery methods

Tula's Institute, Dehradun
Session: 2022-2023 (EVEN)
LECTURE PLAN

Course Name: Transportation Engineering-I **Course Code: BCET-404**

Lecture Plan				Lecture delivered	
No.	Date	LP. No	Topic	Date	Methodology
1	16/01/2023	L-1	Highway Development and Planning: Historical Development	16/01/23	Power Point Presentation
2	17/01/2023	L-2	Road patterns	17/01/23	Power Point Presentation
3	20/01/2023	L-3	Master plans,	20/01/23	White Board & Marker
4	22/01/2023	L-4	Road development plans,	22/01/23	White Board & Marker
5	23/01/2023	T-1	TUTORIAL	23/01/23	White Board & Marker
6	24/01/2023	L-5	PMGSY,	28/01/23	White Board & Marker
7	24/01/2023	L-6	Engineering surveys	29/01/23	Flip Classroom
8	27/01/2023	L-7	Highway projects.	30/01/23	Video Presentation
9	29/01/2023	L-8	Highway Material and Testing: Sub grade Soil	01/02/23	Power Point Presentation
10	30/01/2023	T-2	TUTORIAL	05/02/23	Revision Test (Quiz)
11	31/01/2023	L-9	Sub base and base course materials,	07/02/23	White Board & Marker
12	03/02/2023	L-10	bituminous materials	12/02/23	Video Presentation
13	10/02/2023	L-11	testing of soils,	13/02/23	White Board & Marker
14	12/02/2023	L-12	stone aggregates	17/02/23	White Board & Marker
15	13/02/2023	T-3	TUTORIAL	18/02/23	Revision Test (Quiz)
16	13/02/2023	L-13	Bitumen.	20/02/23	White Board & Marker
17	14/02/2023	L-14	Highway Geometric Design: Cross Section elements	24/02/23	Power Point Presentation
18	17/02/2023	L-15	Introduction: Sight distances	26/02/23	White Board & Marker
19	18/02/2023	L-16	Types of sight distances	27/02/23	White Board & Marker
20	19/02/2023	T-4	TUTORIAL	27/02/23	Revision Test (Quiz)
21	20/02/2023	L-17	Horizontal Alignment	28/02/23	Video Presentation
22	22/02/2023	L-18	vertical alignment	02/03/23	White Board & Marker
23	24/02/2023	L-19	Classification of vertical alignment	11/03/23	White Board & Marker
24	26/02/2023	L-20	Traffic Engineering: Traffic characteristics	12/03/23	White Board & Marker
25	27/02/2023	T-5	TUTORIAL	14/03/23	Revision Test (Quiz)
26	28/02/2023	L-21	road user	15/03/23	Flip Classroom

Mohit Bisht

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Tula's Institute, Dehradun

HOD
Department of Civil Engineering
Tula's Institute, Dehradun

27	02/03/2023	L-22	Vehicular characteristics,	16/03/23	Video Presentation
28	03/03/2023	L-23	traffic studies and accident studies	17/03/23	Power Point Presentation
29	10/03/2023	T-6	TUTORIAL	23/03/23	Revision Test (Quiz)
30	12/03/2023	L-24	traffic operations,	24/03/23	Flip Classroom
31	14/03/2023	L-25	Traffic Control Devices	27/03/23	Video Presentation
32	15/03/2023	L-26	intelligent transport systems	29/03/23	Video Presentation
33	16/03/2023	T-7	TUTORIAL	03/04/23	Revision Test (Quiz)
	17/03/2023	L-27	Pollution due to traffic.	05/04/23	Video Presentation
34	20/03/2023	L-28	Design of Highway Pavements: Flexible Pavements Part:1	10/04/23	Power Point Presentation
35	24/03/2023	L-29	Design of Highway Pavements: Flexible Pavements Part:2	10/04/23	Power Point Presentation
36	27/03/2023	T-8	TUTORIAL	12/04/23	Revision Test (Quiz)
37	29/03/2023	L-30	Design of Highway Pavements: Flexible Pavements	13/04/23	White Board & Marker
38	03/04/2023	L-31	Review of old methods	14/04/23	Power Point Presentation
39	05/04/2023	L-32	CBR method IRC:37-2001,	17/04/23	Power Point Presentation
40	06/04/2023	T-9	TUTORIAL	19/04/23	Revision Test (Quiz)
41	10/04/2023	L-33	equivalent single wheel load factor,	20/04/23	White Board & Marker
42	12/04/2023	L-34	rigid pavements and stress in rigid pavement	26/04/23	Flip Classroom
43	13/04/2023	L-35	IRC design method (IRC:58-2002)	28/04/23	Open Discussion
44	14/04/2023	T-10	TUTORIAL	29/04/23	Revision Test (Quiz)
45	03/04/2023	L-36	Highway Construction: Construction of various layers	01/05/23	Demo Lecture & Video Presentation
46	17/04/2023	L-37	earthwork,	04/05/23	Video Presentation
47	19/04/2023	L-38	WBM	05/05/23	White board & Marker
48	20/04/2023	T-11	TUTORIAL	10/05/23	Revision Test (Quiz)
49	24/04/2023	L-39	GSB	11/05/23	Video Presentation
50	26/04/2023	L-40	WMM	12/05/23	White board & Marker
51	27/04/2023	T-12	TUTORIAL	13/05/23.	Revision Test (Quiz)
52	28/04/2023	L-41	various types of bituminous layers	14/05/23	White board & Marker
53	01/05/2023	L-42	joints in rigid pavements	14/05/23	White board & Marker
54	04/05/2023	L-43	Highway Maintenance: Various type of failures(1)	17/05/23	Power Point Presentation
55	08/05/2023	L-44	Highway Maintenance: Various type of	18/05/23	Power Point

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P Santi Kumari
HoD
Department of Civil Engineering
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			failures(2)	18/05/23	Presentation
56	10/05/2023	T-14	TUTORIAL	19/05/23.	Revision Test Quiz
57	12/05/2023	L-45	Evaluation and Remedial measures.	21/05/23.	White board & Marker
Total Classes			57		

Faculty Signature.....Mohit Bisht.....

HOD Signature with Seal.....

Head
Department of Civil Engineering
Tula's Institute, Dehradun

Director
Tula's Institute, Dehradun

Annexure IV

Sample of Power Point Presentation

Computer Structure and Architecture

By

Dr. Sanjeev Kumar
Professor
Department of Computer Science & Engineering
Tula's Institute, Dehradun

Tula's Institute, Dehradun

Contents

- Introduction of Computer Structure and Architecture
- Peer-To-Peer network
- Client/Server network
- Advantage / Disadvantage of Peer-To-Peer network
- Advantage / Disadvantage of Client/Server network

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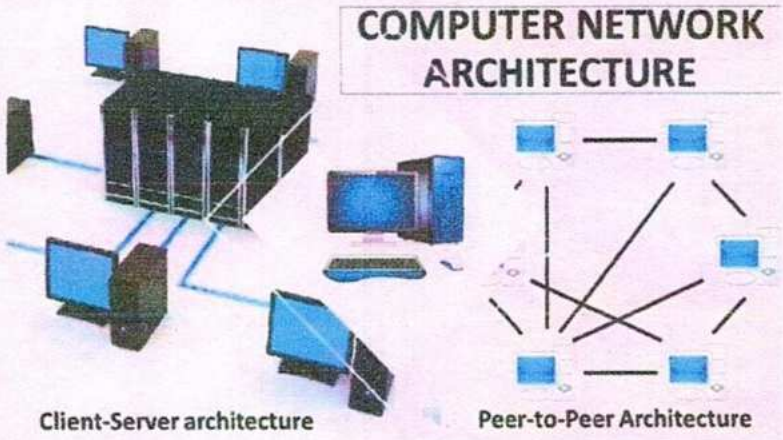
Computer Structure and Architecture

Network architecture is the design of a computer network. It is a framework for the specification of a network's physical components and their functional organization and configuration, its operational principles and procedures, as well as communication protocols used.

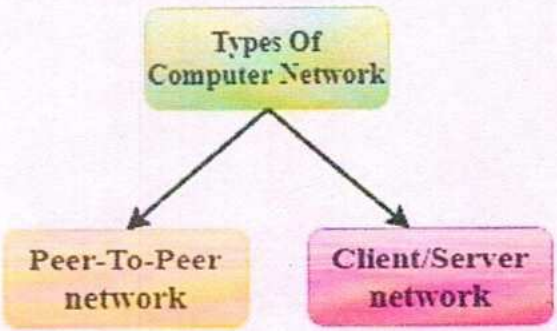


Computer Network Architecture

Computer Network Architecture is defined as the physical and logical design of the software, hardware, protocols, and media of the transmission of data. Simply we can say that how computers are organized and how tasks are allocated to the computer.

The two types of network architectures are used:

- Peer-To-Peer network
- Client/Server network



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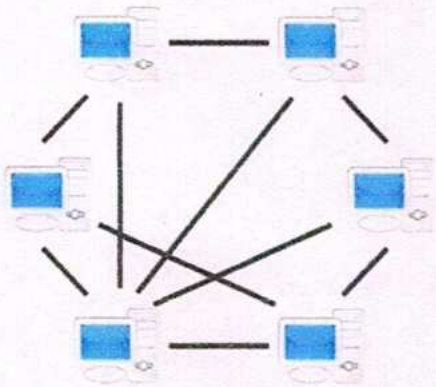
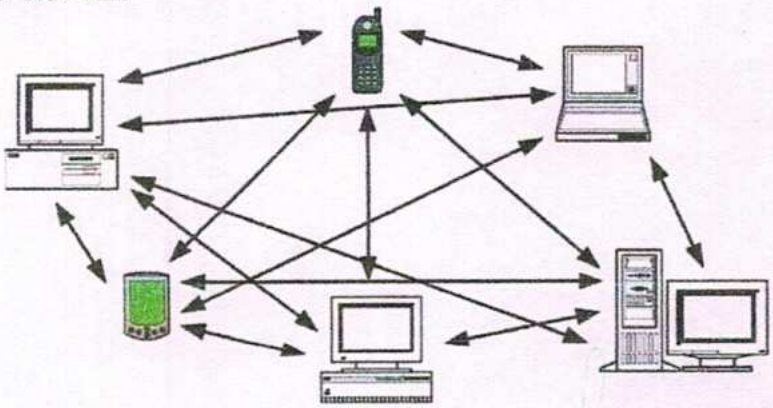
Peer-To-Peer network

- Peer-To-Peer network is a network in which all the computers are linked together with equal privilege and responsibilities for processing the data.
- Peer-To-Peer network is useful for small environments, usually up to 10 computers.



Peer-To-Peer network

- Peer-To-Peer network has no dedicated server.
- Special permissions are assigned to each computer for sharing the resources, but this can lead to a problem if the computer with the resource is down.



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Advantages Of Peer-To-Peer Network

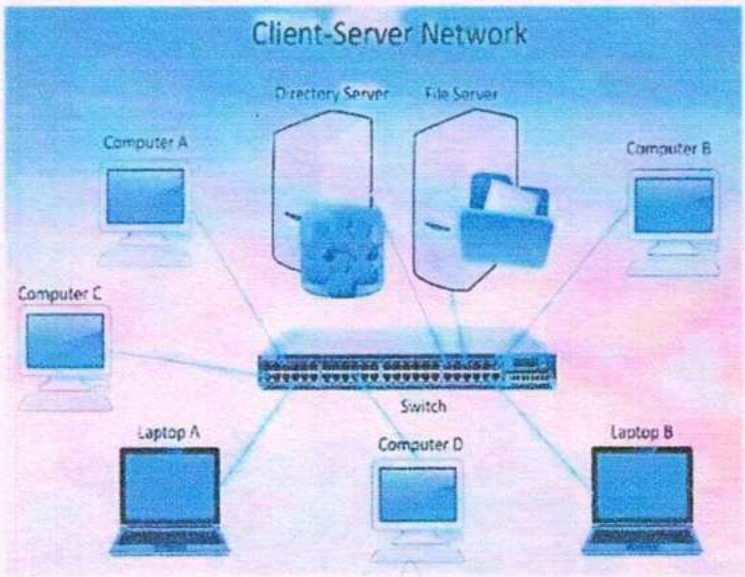
- It is less costly as it does not contain any dedicated server.
- If one computer stops working but, other computers will not stop working.
- It is easy to set up and maintain as each computer manages itself.

Disadvantages Of Peer-To-Peer Network

- In the case of Peer-To-Peer network, it does not contain the centralized system. Therefore, it cannot back up the data as the data is different in different locations.
- It has a security issue as the device is managed itself.

Client/Server Network

- Client/Server network is a network model designed for the end users called clients, to access the resources such as songs, video, etc. from a central computer known as Server.
- The central controller is known as a **server** while all other computers in the network are called **clients**.



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Client/Server Network

- A server performs all the major operations such as security and network management.
- A server is responsible for managing all the resources such as files, directories, printer, etc.
- All the clients communicate with each other through a server. For example, if client1 wants to send some data to client 2, then it first sends the request to the server for the permission. The server sends the response to the client 1 to initiate its communication with the client 2.

Advantages Of Client Server Architecture

- A Client/Server network contains the centralized system. Therefore we can back up the data easily.
- A Client/Server network has a dedicated server that improves the overall performance of the whole system.
- Security is better in Client/Server network as a single server administers the shared resources.
- It also increases the speed of the sharing resources.

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Disadvantages Of Client Server Architecture

- Client/Server network is expensive as it requires the server with large memory.
- A server has a Network Operating System(NOS) to provide the resources to the clients, but the cost of NOS is very high.
- It requires a dedicated network administrator to manage all the resources.

Thanks

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TULA'S DEHRADUN NAAC A+

Diseases of field and horticultural crop and their management (BSAC- 504)

RUPALI KAUSHIK
Assistant Professor
Department of Agriculture
TULAS

Lecture No-28

Topic – Cultural practices for disease management

INTRODUCTION

- Stevans (1960) had discovered the cultural methods of disease controls.
- According to him, these measures involve agricultural cropping, harvesting and storage, tillage, crop rotation, soil management, growing of resistant variety, planning of land use and other related practices.

Principles of cultural practices

- **To destruct infection centre.**
- **To break infection chain.**
- **Starving of pathogen.**
- **Create unfavorable conditions for pathogens.**

Methods of Cultural practices

A. Production and use of disease free propagating material

1.Isolation distance for seed plots-

Isolation distance is the minimum distance kept between the seed plot for the purpose of the keeping seed pure.

crop	Min. isolation distance (m)	
	Foundation seed	Certified seed
Hybrid maize	400	300
Wheat,Rice	3	3
Tomato	50	20

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2.Cleaning of seeds

- Sclerotia and Oospores of many pathogens are present in the debris mixed with the seed.
- Common e.g. are ergot(*Claviceps fusiform*) and smut(*Pennisetum glacum*) of pearl millet, white blister(*Albugo candida*) of crucifers and ear cockle of wheat.
- Cleaning is done by hot air blast that remove dust or by hand.
- In hand cleaning the seed is submerged in a 20% common salt solution.

3. Adjustment of harvesting time of crops

- Time of harvesting affect cleanliness of seed. Delay harvesting of grain crops in temperate regions give the pathogens more time for contaminating the seed.
- Harvesting of potato when the leaves are still green allows the late blight pathogen to contaminate tubers which carry it to the next season.

B. Adjustment of crop culture to minimize disease incidence

1.Crop rotation-Growing crops in rotation has many benefit. Better use of nutrient, weed control, suppression of soil borne pathogens.

Some specific effect of succeeding crop are listed below-

Beneficial crop	Pathogen reduced	Preceding crop
Rice	*Verticillium dahliae*	Cotton
Groundnut	*Meloidogyne incognita*	Tomato
Maize,wheat	*Ralstonia solanacearum*	Potato

2.Mixed cropping

- Mixed cropping is simultaneous cultivation of more than one crop in same plot.
- Examples of mixed cropping are wheat+barley, wheat+chickpea, pigeopea+sorghum, cotton+mothbean
- In wheat and barley raised with legumes there is reduced spread of rusts.
- Mixed crop of pigeonpea and sorghum give reduction in incidence of *Fusarium* wilt.

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Tula's Institute, Dehradun

3.Adjustment of date of sowing

- There are numerous examples where early or delayed sowing of crop enables it escapes critical period of disease incidence.
- In south India ,rice sown from January to June develops no more than 5% leaf blast and 1% neck blast.
- In July planted crop the incidence increases to 20% and 25%.
- Other diseases favoured by late planting are kernal bunt of wheat(*Nevossia indica*),stem rust of wheat(*Puccinia graminis tritici*),baterial blight of cotton*(xanthomonas axonopodis pv malvacearum*).

4.Management of irrigation

- Aim of irrigation is to wet the soil only to extent that roots easily get water and nutrients.
- If excess water is added to the soil, it may directly affect activity of pathogen.
- In citrus foot and root rot caused by *Phytophthora parasitica ,P. palmivora* the number of propagules of fungi present in the soil increase rapidly immediately after irrigation.
- Beneficial effect of irrigation is seen in the control of common scab of potato*(Streptomyces scabies).*

5.Management of host nutrition

- Role of plant nutrition in disease incidence is very important.
- In rice disease such as false smut *(Ustilaginoidea virens*), blast*(Pyricularia grisea*) and sheath blight*(Rhizoctonia solani*) heavy nitrogen fertilization promotes the disease.So the minimum dose should be given.
- Micronutrient deficiencies are common in all type of cultivated plants.So it can be maintained by foliar sprays.

6.Management of top soil

- Mulching and covering of top soil with organic residues often helps in reducing plant disease.
- Only those material should be used for mulching which are not related to crop.
- If sugarcane leaves are used as mulch in sugarcane field, it will perpetuate the pathogens.
- Soil solarization is a noval technique for treatment of soil by solar heat. If moistened soil is covered under transparent polyethylene film,this kill most of the fungus ,bacterial and nematodes propagules.

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Tulsi's Institute, Dehradun

C. Field and plant sanitation

•1.Management of crop debris-

- Burning of debris of diseased field crop.
- Deep ploughing after harvest buries the debris deep in soil.
- The practices of burning rice crop residue followed by stubble disc ploughing is most effective method of minimizing innoculum of *Sclerotium oryzae.*

2.Management of diseased plant

- Regular removal of diseased plants from a population (roguing) is an important sanitary precaution.
- Red rot of sugarcane, wilt of pigeon pea and cotton, smut of sorghum and downy mildew of sorghum are other diseases in which roguing is recommended.
- It is one of the effective recommendations in the management of virus diseases of field crops.

3.Decoy and trap crops

- Decoy crops or cover crops are non host crops sown with the purpose of making soil borne pathogens waste their infection potential before the susceptible main crop is grown.

pathogen	Host	Decoy crops
Plasmodiophora brassicae	crucifers	Rye grass
Meloidogyne spp.	Eggs plants	sesamum
Orobanche spp.	Tomato ,tobacco	Sunflower, safflower

-Trap crops

- Trap crops are highly susceptible host crops of the pathogen, planted to attract but destined to be harvested or destroyed before the pathogen complete its life cycle.
- Linseed is used as a trap crop for *Orobache ramosa* .
- Oats have been used in England as a trap crop for cereal nematode.

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4.Management of weed, collateral and volunteer host plants

- The pathogens having a very wide host range among weeds,collateral and volunteer host plants.
- Kane grass *(Saccharum spontaneum)* is a collateral host of sugarcane smut*(Ustilago scitaminea)* and sugarcane downy mildew*(Peronosclerospora sacchari)*.
- *Saccharum munja* is also a host of many sugarcane pathogen.

THANK YOU

Director
Tule's Institute, Dehradun

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Media Laws and Ethics(BJMC 009)

BAJMC 3rd Year/3rd Semester

Dr. Ankit Ghildiyal
Assistant Professor
Department of Journalism and Mass Communication

Lecture No-02

Topic – Directive principles of state policy

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Course Outcomes

Course Outcomes	Description	Mapping with Program Outcomes and Program Specific Outcomes
CO1	Students will get in-depth knowledge about the Constitution of India and various provisions.	
CO2	To understand media technology and ethical parameters	
CO3	To get information about Acts and Laws related to Women	
CO4	To explain various ethical codes and guidelines in media	
CO5	To verify media and its social responsibility	

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Assessment and Evaluation Plan

Assessment Tools

- Google form
- Assignments
- Sessional

Evaluation

- Internal examination= 30
  - Assignment 1=5
  - Assignment 2=5
  - Sessional 1=7.5
  - Sessional 2=7.5
  - Attendance=5
- External examination=70

Directive Principles of State Policy (DPSP)- Meaning

Directive Principles are certain rules, specifically aiming at socio-economic justice, which according to the makers of the Indian Constitution should aim for.

According to Dr. B.R.Ambedkar, the Directive Principles is determined as the "Novel Feature" of the constitution. They aim to provide general instructions, guidelines, or directions to the state. Directive Principle symbolizes the aspiration of people, objectives, and ideals which the Union and State Government must be aware of while formulating laws and policies.

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Tula's Institute, Dehradun

Directive Principles of State Policy (DPSP)

Articles 36-51 under Part-IV of the Indian Constitution deal with Directive Principles of State Policy (DPSP). They are borrowed from the Constitution of Ireland, which had copied it from the Spanish Constitution.

The Sapru Committee in 1945 suggested two categories of individual rights. One being justiciable and the other being non-justiciable rights. The justiciable rights, as we know, are the Fundamental rights, whereas the non-justiciable ones are the Directive Principles of State Policy.

DPSP are ideals which are meant to be kept in mind by the state when it formulates policies and enacts laws. There are various definitions to Directive Principles of State which are given below:

- They are an 'instrument of instructions' which are enumerated in the Government of India Act, 1935.
- They seek to establish economic and social democracy in the country.
- DPSPs are ideals which are not legally enforceable by the courts for their violation.

Directive Principles of State Policy – Classification

Indian Constitution has not originally classified DPSPs but on the basis of their content and direction, they are usually classified into three types-

- **Socialistic Principles**,
- **Gandhian Principles** and,
- **Liberal-Intellectual Principles**.

The details of the three types of DPSPs are given below:

DPSP – Socialistic Principles

Definition: They are the principles that aim at providing social and economic justice and set the path towards the welfare state. Under various articles, they direct the state to-	
Article 38	Promote the welfare of the people by securing a social order through justice—social, economic and political—and to minimize inequalities in income, status, facilities and opportunities
Article 39	Secure citizens: •Right to adequate means of livelihood for all citizens •Equitable distribution of material resources of the community for the common good •Prevention of concentration of wealth and means of production •Equal pay for equal work for men and women •Preservation of the health and strength of workers and children against forcible abuse •Opportunities for the healthy development of children
Article 39A	Promote equal justice and free legal aid to the poor
Article 41	In cases of unemployment, old age, sickness and disablement, secure citizens: •Right to work •Right to education •Right to public assistance

DPSP – Socialistic Principles- Cont.

Article 42	Make provision for just and humane conditions of work and maternity relief
Article 43	Secure a living wage, a decent standard of living and social and cultural opportunities for all workers
Article 43A	Take steps to secure the participation of workers in the management of industries
Article 47	Raise the level of nutrition and the standard of living of people and to improve public health

Director
Tulsi's Institute, Dehradun

DPSP – Gandhian Principles

Definition: These principles are based on Gandhian ideology, and as represent the programme of reconstruction envisaged by Gandhi during the national movement. Under various articles, they direct the state to:	
Article 40	Organise village panchayats and endow them with necessary powers and authority to enable them to function as units of self-government
Article 43	Promote cottage industries on an individual or co-operation basis in rural areas
Article 43B	Promote voluntary formation, autonomous functioning, democratic control and professional management of co-operative societies
Article 46	Promote the educational and economic interests of SCs, STs, and other weaker sections of the society and to protect them from social injustice and exploitation
Article 47	Prohibit the consumption of intoxicating drinks and drugs which are injurious to health
Article 48	Prohibit the slaughter of cows, calves and other milch and draught cattle and to improve their breeds

DPSP – Liberal-Intellectual Principles

Definition: These principles reflect the ideology of liberalism. Under various articles, they direct the state to:	
Article 44	Secure for all citizens a uniform civil code throughout the country
Article 45	Provide early childhood care and education for all children until they complete the age of six years. (Note: 86th Amendment Act of 2002 changed the subject matter of this article and made elementary education a fundamental right under Article 21 A.)
Article 48	Organise agriculture and animal husbandry on modern and scientific lines
Article 49	Protect monuments, places and objects of artistic or historic interest which are declared to be of national importance
Article 50	Separate the judiciary from the executive in the public services of the State
Article 51	•Promote international peace and security and maintain just and honourable relations between nations •Foster respect for international law and treaty obligations •Encourage settlement of international disputes by arbitration

What are the new DPSPs added by the 42nd Amendment Act, 1976?

Article 39	To secure opportunities for the healthy development of children
Article 39A	To promote equal justice and to provide free legal aid to the poor
Article 43A	To take steps to secure the participation of workers in the management of industries
Article 48A	To protect and improve the environment and to safeguard forests and wildlife

Criticism of Directive Principles of State Policy

As a point of debate, the following reasons are stated for the criticism of Directive Principles of State Policy:

- It has no legal force
- It is illogically arranged
- It is conservative in nature
- It may produce constitutional conflict between center and state

Director
Tulsi's Institute, Dehradun

Annexure-V

Bills of Digital Books and Digital Library

Work Order

To,

Avior Technologies Pvt. Ltd.

Kolkata-

Date: -27/03/2023

WO. No. LIB/0323/01

Subject: Work Order for Installation and implementation of KOHA Software on Cloud for library automation.

Dear Sir/Madam

With reference of your Quotation (AT-KOC/TID/22-23/0403) dated 04/03/2023, Tula's Institute pleased to place the work order for Installation and implementation of KOHA Library Management Software for our library on the following term and conditions:

S. No.	Description	Rate (RS)	GST 18%	Total Amount
1	Koha software installation and data migration including 01 (one) year cloud subscription	68500	12330	80830
2	Annual Subscription and Maintenance charges for Koha ILMS on Cloud after 1 year:	25000	4500	29500

Director
Tula's Institute, Dehradun

KOHA Library Software Work Order

Term and Condition

- Installation, Implementation, and configuration of all modules of KOHA for Library Management.
- Customization OPAC with Email, SMS, etc. facilities and other required customization as per the quotation
- Online Training
- Data Migration of Books Libsys to KOHA
- Data entry of Students record

27/3/23

Director

Tula's Institute Dehradun.

Director
Tula's Institute, Dehradun

TULA'S INSTITUTE LIBRARIAN DEHRADUN

Director
Tula's Institute, Dehradun

KOHA Library Software Work Order

Original for Receipient

Tax Invoice

Invoice No:TID/23-24/015			Transport Mode:
Invoice date: 21.04.23			Vehicle number:
Reverse Charge (Y/N):			Date of Supply:
State: WEST BENGAL	Code	19	Place of Supply

Bill to Party			Ship to Party	
Name: Tula'S Institute Dehradun			Name:	
Address: To The Director, Tula'S Institute Dehradun P.O Selaqui Dhoolkot Dehradun Uttarakhand-248011			Address:	
GSTIN:			GSTIN:	
State: UTTARAKHAND	Code	05	State:	Code

Sub: Invoice for 100% payment for Installation and Implementation of KOHA Software on Cloud for Library Automation.

Purchase Order No.LIB/0323/01 Date:27.03.23

S. No.	Product Description	SAC CODE	Rate	Qty	Amount	Discount	Taxable Value	IGST		CGST		SGST		Total
								Rate	Amount	Rate	Amount	Rate	Amount	
1	Charges for Installation, Implementation,Customization, Three Days Traning and One Year Support of Koha on cloud Software Data Conversion of data into MARC21 format **Support Services as mention in quotation	998313			68500	0	68500	18	12330	9	0	9	0	80830
Total					68500	0	68500		12330		0		0	80830

Total Invoice amount in words	Total Amount before Tax: 68500
(Rupees Eighty Thousand Eight Hundred Thirty Only)	Add: CGST9%: 0
	Add: SGST9%: 0
PAN No: AALCA1667M	Add: IGST18%: 12330
GSTIN No : 19AALCA1667M1Z4	Total Tax Amount: 12330
(Information Technology Software Service)	Total Amount after Tax: 80830
Bank Details	GST on Reverse Charge: 0
Bank A/C:913020003499172, AXIS BANK,BRANCH-SALT LAKE,SECTOR-III Bank IFSC: UTIB0000775,MICR CODE-700211046	Certified that the particulars given above are true and correct For Avior Technologies Pvt Ltd
Terms & conditions	Authorised signatory

Avior Technologies Pvt. Ltd.

Regd Office: 45,Cossipore Road,Kolkata-700002 | Branch Office: 52, Canal Street, Sreebhumi, Kolkata-700048

☎: 8583963369/8017616701| Email- mail@aviortechnologies.co.in | Website: www.aviortechnologies.co.in

Director
Tula's Institute, Dehradun

KOHA Library Software Bill

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*Approved by AICTE, Ministry of HRD, Govt. of India * ISO 9001:2015
Affiliated: *Uttarakhand Technical University * Sri DevSumanUttarakhandUniversity *Uttarakhand Board of Technical Education

Date:20/07/2023
Ref. No. Tula's/LIB/RN/0723/03

To
The Director,
Tula's Institute, Dehradun

Subject: Request for approval of books.

Respected sir,

Library subscribed e-journals form EBSCO for one year. Sir I wish to inform you that the subscription to e-journals is due for renewal on 31/07/2023. I am seeking permission for renewal of e-journals for the year 2023-2024

Quotation has been attached

Total Budget Required:- Rs. - 214523.00 (Two Lakh fourteen thousand five hundred twenty-three)

Enclosure
1. Proforma bill of supply of the e-journals to be purchased

Approved
24/7/23

Approved
22/07/23

Kind regards

Abhishek Kumar Sharma
Senior Librarian

TULA'S INSTITUTE LIBRARIAN DEHRADUN

21/07/23

22/7/23

Anand
22/07/23

22/07/23

22/7/23

22/7/23

22/7/23

Vision
• To emerge as an academic centre producing world class professionals promoting innovation and research.

Mission:
• To promote intellectual and skilled human capital generation employment and entrepreneurship.
• To be educational centre of excellence of multi ethnicity and diversity.
• To establish as technology driven teaching learning institution.
• To provide world class platform for research and innovation.
• To inculcate social, environmental, heritage values.

Dhoolkot, P.O. Selaqui, Chakrata Rd., Dehradun - 248011 (U.K.) India
www.tulas.edu.in
0135-2699300
0135-2699300

BILL OF SUPPLY

EBSCO

Details of Supplier	
GSTIN	9917USA29012OSE
Name	EBSCO INTERNATIONAL INC.
Address	5724, Highway 280 East, Birmingham
State	Alabama
Country	United States of America
Zip Code	35242
S.no. of Invoice	E/22-23/Sep-013
Date of Invoice	Wednesday, September 7, 2022
PAN Number	AACCE-3535-D

Details of Receiver (Billed to)	
Name	Tula's Institute
Address	Dehradun
State	Uttarakhand
State code	248011
PAN	AAATR8382G
GSTIN (Unique ID)	05AAATR8382G1ZB
Place of supply	Dehradun
PO No. / Reference	NA
PO Date / Reference Date	NA

Sr. No.	Description of Goods/Services	Subscription Period	HSN/service accounting code	Qty	GST Rate	Currency Exchange Rate	Total (USD $)	Total (INR)
1	EBSCO's Engineering Collection, India	1st August 2022-31st July 2023	998431	1	0%	82.00	$ 1,500.00	₹ 123,000
2	Business Abstracts with Full Text	1st August 2022-31st July 2023	998431	1	0%	82.00	$ 1,000.00	₹ 82,000
	SUB TOTAL						$2,500.00	₹ 205,000

	USD Value	INR Value
Discount Rate	$0.00	₹ 0
Taxable Value	$2,500.00	₹ 205,000
Add. IGST @ 18% (Refer Point No. 9 of Terms & Conditions)	NIL	NIL
Add. IGST @ 5% (Refer Point No. 9 of Terms & Conditions)	NIL	NIL
TOTAL	$2,500.00	₹ 205,000

Total Invoice Value (In figure)	₹ 205,000.00
Total Invoice Value (In Words)	Rupees Two Lakh Five Thousand Only
Amount of Tax subject to Reverse Charge	NIL

PURCHASE ORDER (PO) MUST BE IN THE NAME OF EBSCO INTERNATIONAL INCORPORATED.

TERMS & CONDITIONS

1. In case any of the customer desires to deduct tax at source, the same must be deducted under section 195 of the Income-tax Act in the name of EBSCO International Inc. PAN-AACCE-3535-D.
2. PURCHASE ORDER (PO) MUST BE IN THE NAME OF EBSCO INTERNATIONAL INCORPORATED (IF APPLICABLE)
3. Please pay amount in advance and there should be no partial payments.
4. Bank Exchange rate:- GOC (Good Office Committee) exchange rate applicable
5. Terms: Net due upon receipt of Invoice EBSCO guarantees payment to all publishers.
6. This Price is valid for 21 days from the date of Bill of Supply
7. Shipment is made directly from overseas supplier.
8. EBSCO Information Services India Private Ltd is an independent entity and its role is limited to marketing and coordination for the distribution and delivery of the worldwide publications offered by EBSCO International Inc. in India.
9. GST Exemption is applicable based on the understanding that your institute qualifies as an educational institution under GST Notification No. 9/2017-IGST(Rate). GST @18% applies to services provided to all entities/ institutions other than those covered by exemption such as Vocational Institutes, Pre-school / Higher Secondary School educational institutions, Non-Educational Organizations/entities, etc.

BANK DETAILS

INDIAN RUPEE WIRE TRANSFERS CAN BE SENT TO
Account Name : EBSCO International Inc.
BANK NAME : Deutsche Bank
IFS CODE : DEUT0796DEL
ACCOUNT NO.: 1566934000
BANK ADDRESS : Deutsche Bank AG, Filiale New Delhi Global Business Services, 18-20, 14th Floor HT House K G Marg, 110 001, New Delhi

US DOLLARS TRANSFERS CAN BE SENT TO
Account Name : EBSCO International Inc.
5724, Highway 280 East, Birmingham, Alabama,
United States of America -35242
SWIFT CODE : WFBIUS6S
ABA: 121000248
ACCOUNT NO.: 2000027338795
Bank Name & Address : Wells Fargo Bank, San Francisco, CA USA

Customers can also deliver cheques in favour of EBSCO International Inc. at below address:
301,303, Ansal Chambers- II, 6, Bhikaji Cama Place, New Delhi -110066

Signature

Tula's Institute, Dehradun

TULA'S INSTITUTE LIBRARY Est. 2006 DEHRADUN

TAX INVOICE

EBSCO

ORIGINAL FOR RECIPIENT

Details of Supplier	
GSTIN	9917USA29012OSE
Name	EBSCO INTERNATIONAL INC.
Address	5724, Highway 280 East, Birmingham
State	Alabama
Country	United States of America
Zip Code	35242
S.no. of Invoice	E/23-24/May-020
Date of Invoice	Monday, May 8, 2023
PAN Number	AACCE-3535-D

Details of Receiver (Billed to)	
Name	The Librarian, Tula's Institute
Address	Tulas Institute Dhoolkot Near Selaqui, Dhulkot Rd, Dehradun
State	Uttarakhand
State code	248197
PAN	AAATR8382G
GSTIN (Unique ID)	05AAATR8382G1ZB
Place of supply	Uttarakhand
PO No. / Reference	NA
PO Date / Reference Date	NA

Sr. No.	Description of Goods/Services	Subscription Period	HSN/Service Accounting code	Qty	GST Rate	Currency Exchange Rate	Total (USD $)	Total (INR)
1	eBook Engineering core collection	April 2023 to March 2024	998431	1	5%	85.90	$ 918	₹ 78,85
2	eBook Business core collection	April 2023 to March 2024	998431	1	5%	85.90	$ 1,020	₹ 87,61
	SUB TOTAL						$1,938	₹ 166,47

	USD Value	INR Value(R/o)
Discount Rate	$0.00	₹
Taxable Value	$1,938.00	₹ 166,47
Add IGST @ 18% (Refer Point No. 9 of Terms & Conditions)	$ 0	₹
Add IGST @ 5% (Refer Point No. 9 of Terms & Conditions)	$ 0	₹ 0.0
TOTAL INVOICE VALUE (In figure)	$1,938	₹ 166,47

Total Invoice Value (In Words) — *Rupees One Lakh Sixty Six Thousand Four Hundred Seventy Four Only*

Applicable to Reverse Charge: YES

	USD	INR
Total Tax Payable under Reverse Charge (To be Paid by the Institution directly to GOI)	$ 96.90	₹ 8,324

	USD	INR
Total Payable Invoice Value (To be Paid by the Institution to EBSCO)	$ 1,938	₹ 166,474

TERMS & CONDITIONS

1. In case any of the customer desires to deduct tax at source. the same must be deducted under section 195 of the Income-tax Act in the name of EBSCO International Incorporated PAN-AACCE-3535-D.
2. PURCHASE ORDER (PO) MUST BE IN THE NAME OF EBSCO INTERNATIONAL INCORPORATED (IF APPLICABLE)
3. Please pay amount in advance and there should be no partial payments.
4. Bank Exchange rate:- GOC (Good Office Committee) exchange rate applicable
5. Terms: Net due upon receipt of invoice EBSCO guarantees payment to all publishers.
6. This Price is valid for 21 days from the date of Tax Invoice
7. Shipment is made directly from overseas supplier.
8. EBSCO Information Services India Private Ltd is an independent entity and its role is limited to marketing and coordination for the distribution and delivery of the worldwide publications offered by EBSCO International Inc. in India.
9. Since, your entity is registered under GST law and do not qualify as 'non-taxable online recipient', the liability to pay GST would be on your entity under reverse charge as per Notification No. 10/2017-Integrated Tax (Rate) dated 28.6.2017 and, EBSCO International Inc. located in Non-taxable territory are not required to pay GST on Online Database Access or Retrieval Services provided .

Signature

BANK DETAILS

INDIAN RUPEE WIRE TRANSFERS CAN BE SENT TO
Account Name : EBSCO International Inc.
BANK NAME : Deutsche Bank
IFS CODE : DEUT0796DEL
ACCOUNT NO.: 1566934000
BANK ADDRESS : Deutsche Bank AG, Filiale New Delhi Global Business Services, 18-20, 14th Floor HT House K G Marg, 110 001, New Delhi

US DOLLARS TRANSFERS CAN BE SENT TO
Account Name : EBSCO International Inc.
5724, Highway 280 East, Birmingham, Alabama,
United States of America -35242
SWIFT CODE : WFBIUS6S
ABA: 121000248
ACCOUNT NO.: 2000027338795
Bank Name & Address : Wells Fargo Bank, San Francisco, CA USA,

Customers can also deliver cheques in favour of EBSCO International Inc. at below address:
301,303, Ansal Chambers- II, 6, Bhikaji Cama Place, New Delhi -110066

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Approved 17/5/23

Director
Tula's Institute, Dehradun

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*Approved by AICTE, Ministry of HRD, Govt. of India * ISO 9001:2015
Affiliated: *Uttarakhand Technical University * Sri Dev Suman Uttarakhand University *Uttarakhand Board of Technical Education

Date: - 27/03/2023

To
The Vice President, Technology,
Tula's Institute, Dehradun.

Subject: Approval for renewal of EBSCO E-Books engineering and E-Books business core collection.

Respected Sir,

Library subscribed eBooks Engineering and eBooks Business Core Collection from EBSCO for one year. Sir, I wish to inform you that the subscription to eBooks Engineering and eBooks Business Core Collection is due for renewal on 31st March 2021. I am seeking permission for renewal of eBooks Engineering and eBooks Business Core Collection for the year 2023-2024.

Quotation has been attached

Total Budget requires – Rs. 166474.00 (One lakh sixty-six thousand four hundred seventy-four only).

Submitted for your kind approval please.

Kind Regards

Abhishek Kumar Sharma
Senior Librarian

Approved
26/4/23

Recommended
Anil Kumar
26/4/23

TULA'S INSTITUTE DEHRADUN

Dhoolkot, P.O. Selaqui, Chakrata
Dehradun - 248011 (U.K India)
www.tulas.edu.in
0135-2680300
0135-2680300

Director
Tula's Institute, Dehradun

Vision
- To emerge as an academic centre producing world class professionals promoting innovation and research.

Mission:
- To promote intellectual and skilled human capital generation employment and entrepreneurship.
- To be educational centre of excellence of multi ethnicity and diversity.
- To establish as technology driven teaching learning institution.
- To provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.

Digibook Technologies Pvt Ltd

Pykitab Head Office : Unit No. 1014/1015, Ardente Office One,Hoodi Main Rd, Hoodi, Bengaluru - 560048
Branch Office : Flat No B-101,Airawat Parisar,Padmanabhpur , Durg. Chhattisgarh.
PIN - 491001, Telephone -0788 4903420

GSTIN :22AAECD6886E1ZN

Tax Invoice

Invoice No :	DTPL/B2B/21-22/14			Ref . No.	
Invoice Date	16-07-2021			PAN No	AAECD6886E
Reverse Charge	Yes		No	Date of Supply	
State : C.G.	Code :	22			

Bill to Party	Librarian,Tula's Institute
Supply To Party	Tula's Institute
Address:	Dhoolkot,Dehradun
	Uttarakhand — Code : 05
GSTIN	PAN No :

Particulars

S No	Product	HSN Code	UOM	Quantity	Rate	Amount			Taxable Value	IGST Rate	IGST Amount	Total
1	E- Books	998431	E- Books	10		39,810		0	39,810	5%	1,991	41,801
2	Faculty No	998439	Faculty No	5		1,600			1,600	18%	288	1,888
Total				15		41,410			41,410		2,279	43,689

Invoice Amount in Words - INRs Forty Three Thousands Six Hundred Eighty Nine Only/-

Total Amt Before Ta	41,410
Add : IGST	2,279
Total Amt after Tax	43,689

Terms 1)Payment to be made within 15days of date of Invoice
2)Pricing are for 5 Conurrent user access on perpetual basis
3) IP/Username based access.

Name : Digibook Technologies Pvt.Ltd.
Name of the Bank : HDFC BANK
Account No : 50200021172625
Branch : Chouhan Estate Branch, Bhilai, C.G. (India)
IFSC Code : HDFC0000734

Company Seal

DIGIBOOK TECHNOLOGIES P. LTD.

Mitali

Pawan Kumar Chaubey

Director
Tula's Institute, Dehradun

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TULA'S INSTITUTE LIBRARY Est. 2006 DEHRADUN

Kopykitab
Some textbooks, klick away

Completion Certificate

To Whomsoever IT May Concern

This is to certify that Tula's Institute; Dehradun has subscribed to Kopykitab's Digital Library on perpetual mode for the period 17th July 2021 to16th July 2028 for any assistance or query, please feel free to contact us.

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Thanks & Regards

Manoj Singhal Authorised Signatory

Digibook Technologies Pvt Ltd

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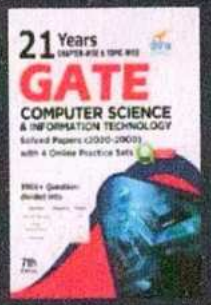
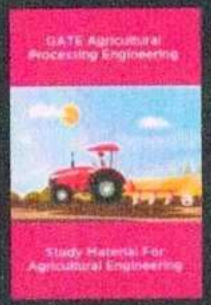
My E-Books (115)



21 years Chapter-Wise & Topic-Wise GATE Computer...

Disha Experts



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GATE 2020 Engineering Sciences Previous Year Pape...

Panel Of Experts

GATE 2020 Mechanical Engineering Previous Year...

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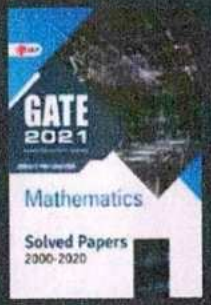

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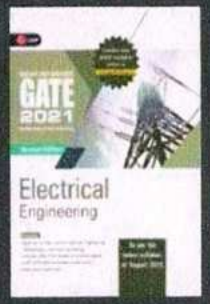

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GK Publication

GATE 2021 - Guide - Electronics and...

GK Publication

GATE 2021 - Guide - Civil Engineering (New Syllabus...

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GATE 2021 Civil Engineering - Guide

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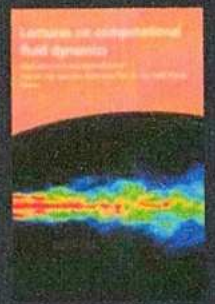

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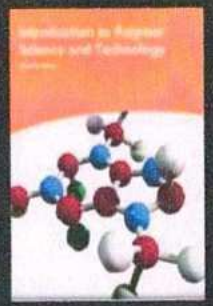

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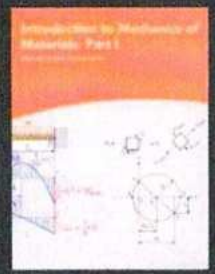

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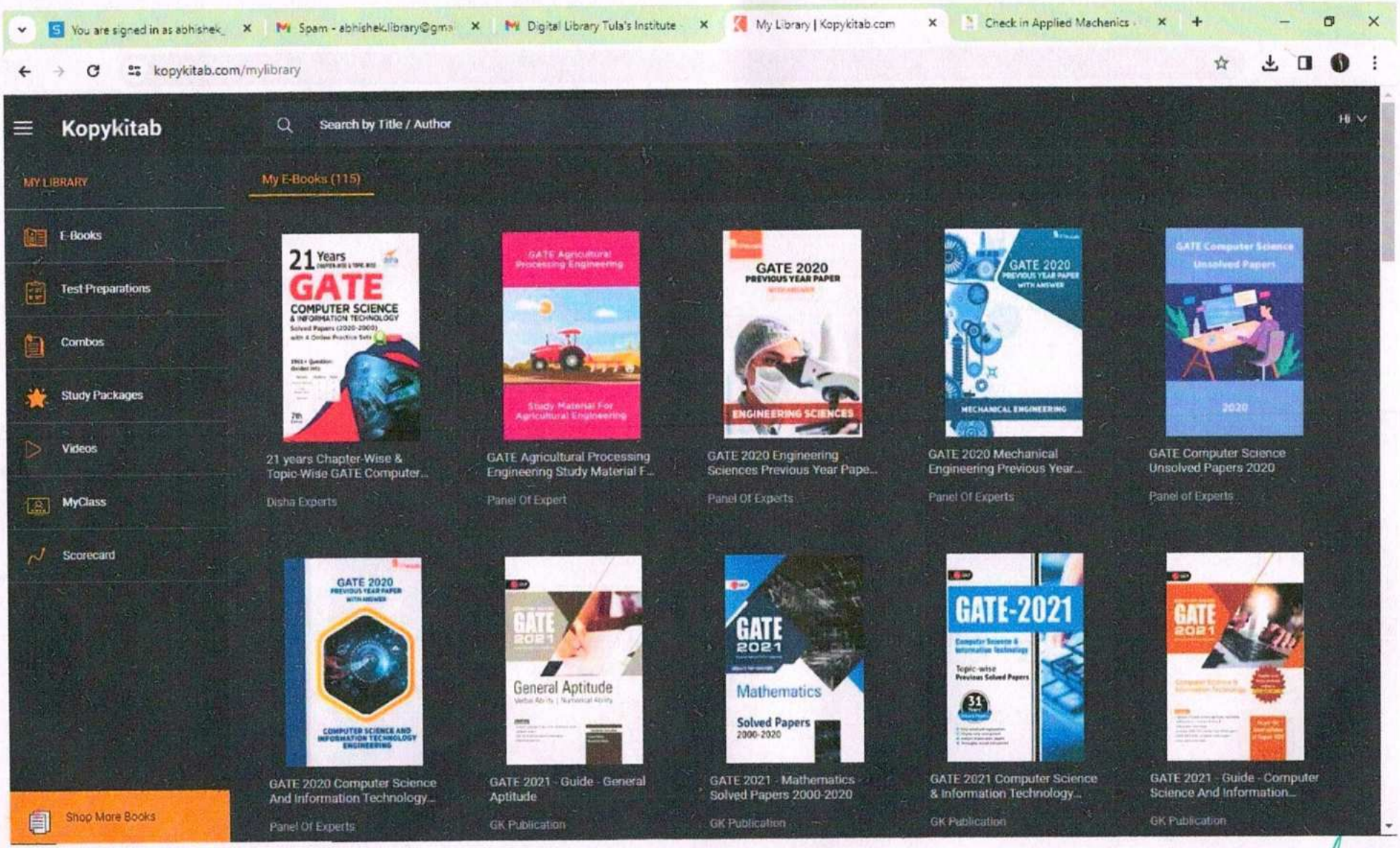

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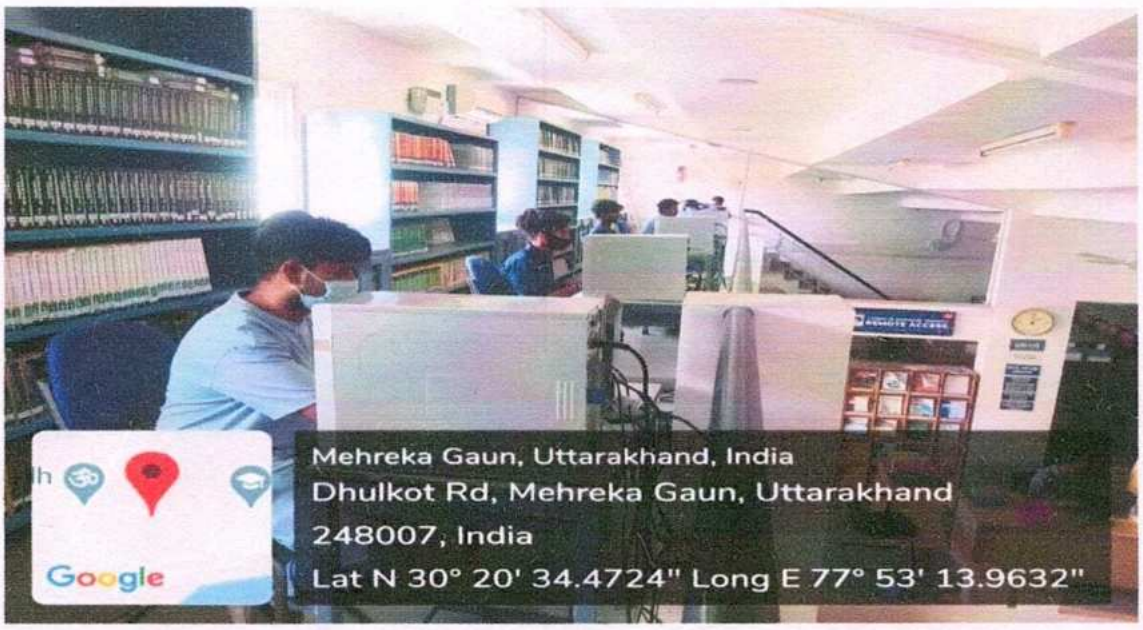

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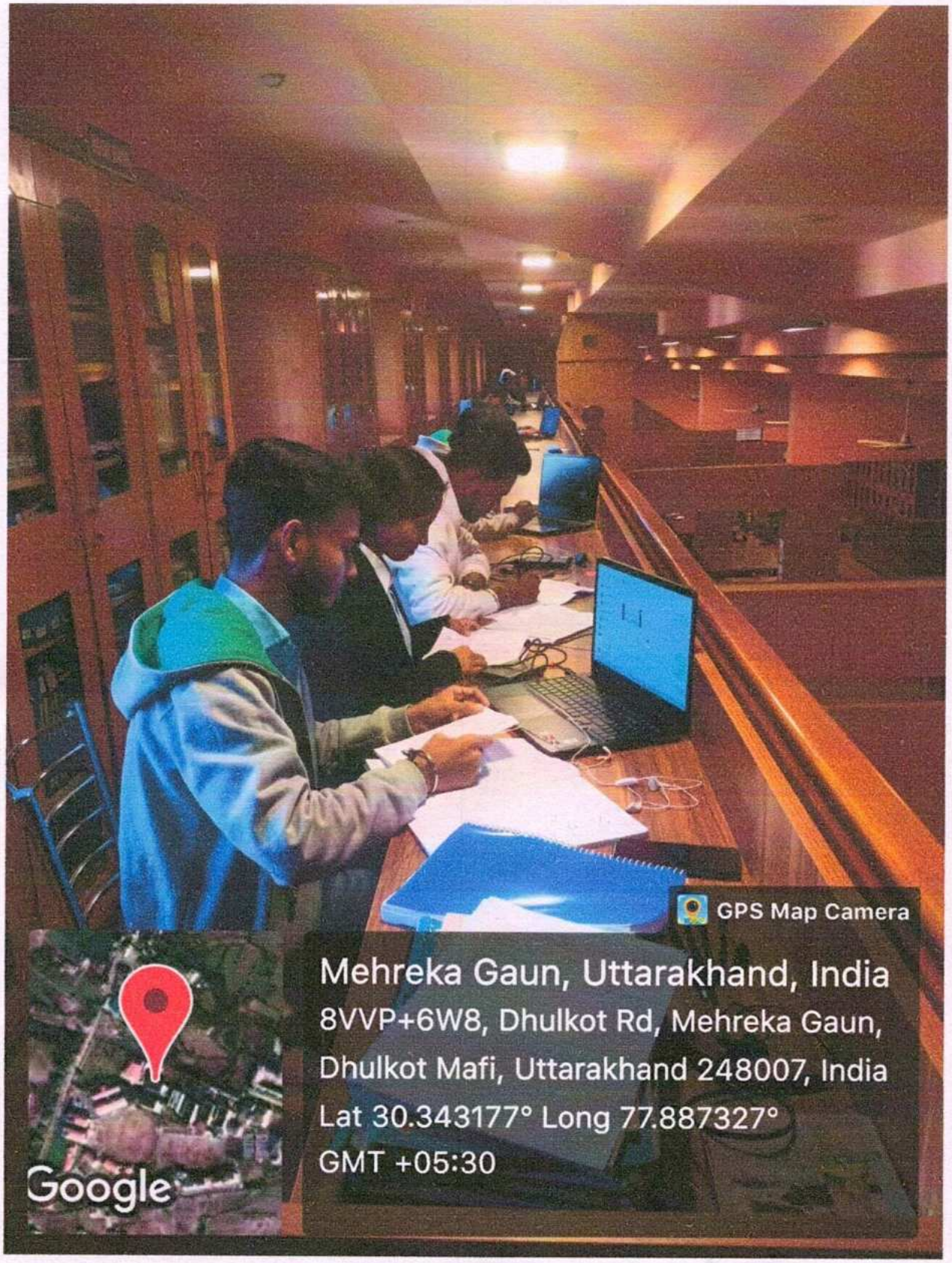

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Annexure-VI

Geotagged photographs of classrooms equipped with smart board, projectors and virtual labs

CLASS-ROOMS

C BLOCK

Classroom 1: C-201

Classroom 2: C-202

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Classroom 3: C-203

Classroom 4: C-204

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Classroom 5: C-301

Classroom 6: C-302

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Classroom 7: C-303

Classroom 8: C-304

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Classroom 9: C-401

Classroom 10: C-402

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Tula's Institute, Dehradun

Classroom 11: C-403

D BLOCK

Classroom 12: D-201

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Classroom 13: D-202

Classroom 14: D-203

Director
Tula's Institute, Dehradun

Classroom 15: D-204

Classroom 16: D-301

Director
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Classroom 17: D-302

Classroom 18: D-303

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Classroom 19: D-304

Classroom 20: D-401

Director
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Classroom 21: D-402

Classroom 22: D-403

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Classroom 23: D-404

E BLOCK

Classroom 24: E-201

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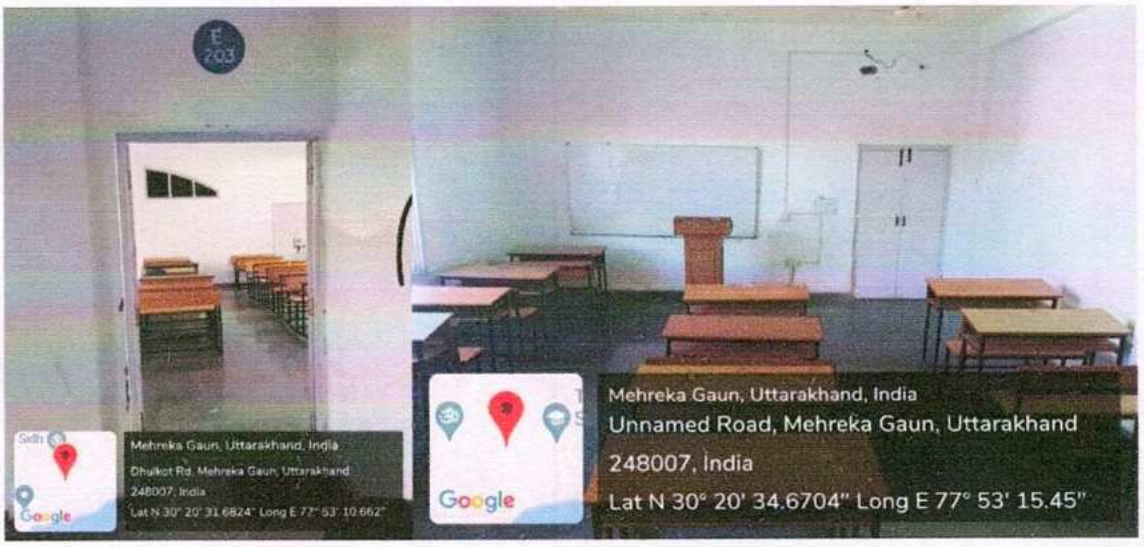
Classroom 25: E-202



Classroom 26: E-203

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F BLOCK

Classroom 27: F-201

Classroom 28: F-203

Director
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Classroom 29: F-204

Classroom 30: F-205

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Classroom 31: F-206

Classroom 32: F-303

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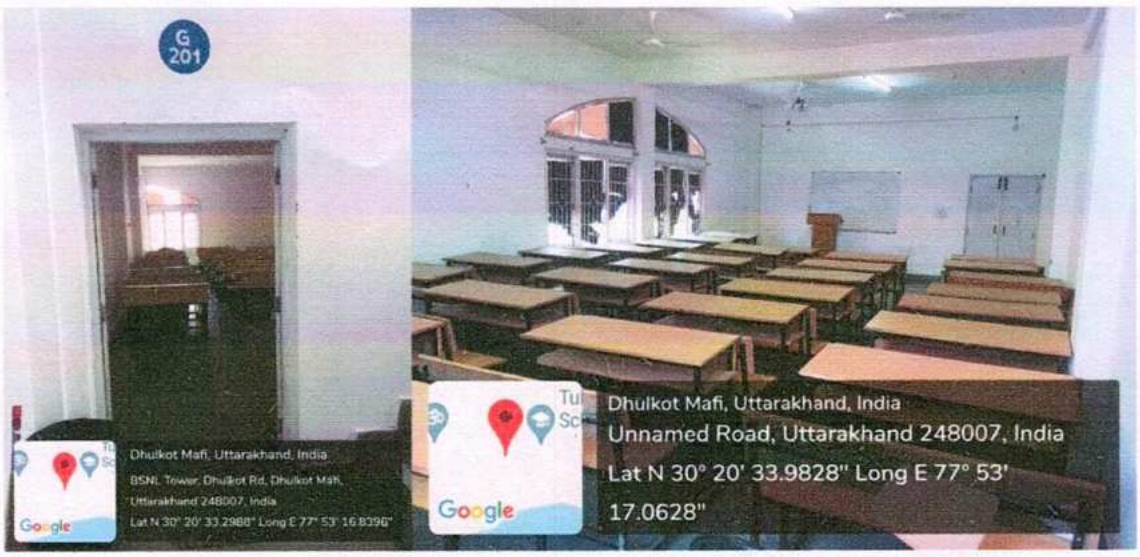
Classroom 33: F-304

G BLOCK



Classroom 34: G-201

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Classroom 34: G-202

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Classroom 35: G-302

Classroom 36: G-303

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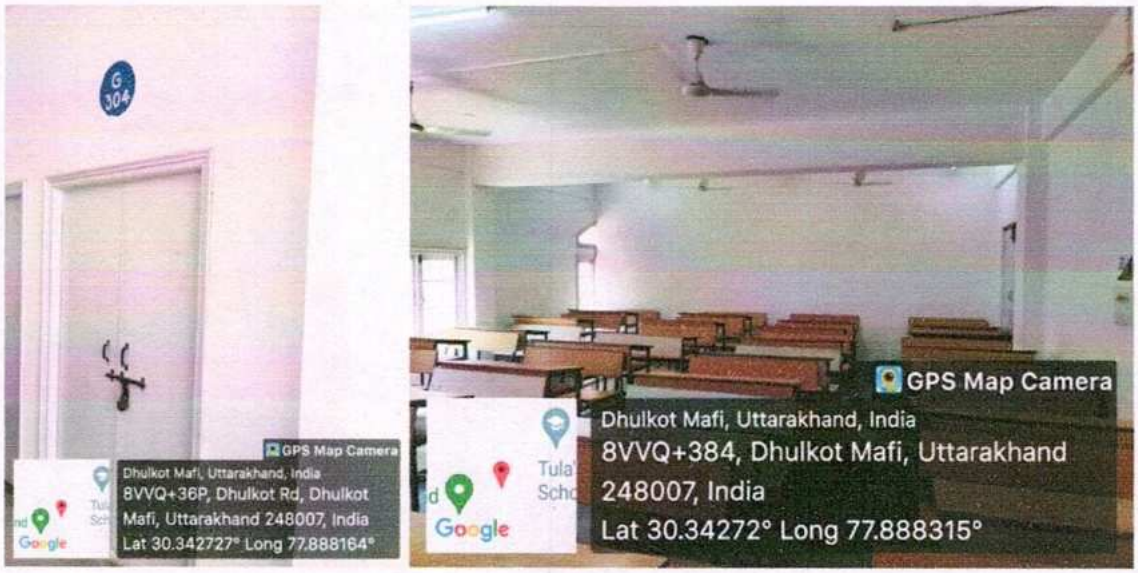

Classroom 37: G-304

Classroom 38: G-306

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H BLOCK

Classroom 39: H-203

Classroom 40: H-204

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Classroom 41: H-205

Classroom 42: H-206

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Classroom 43: H-301

Classroom 44: H-302

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Classroom 45: H-303

Classroom 46: H-304

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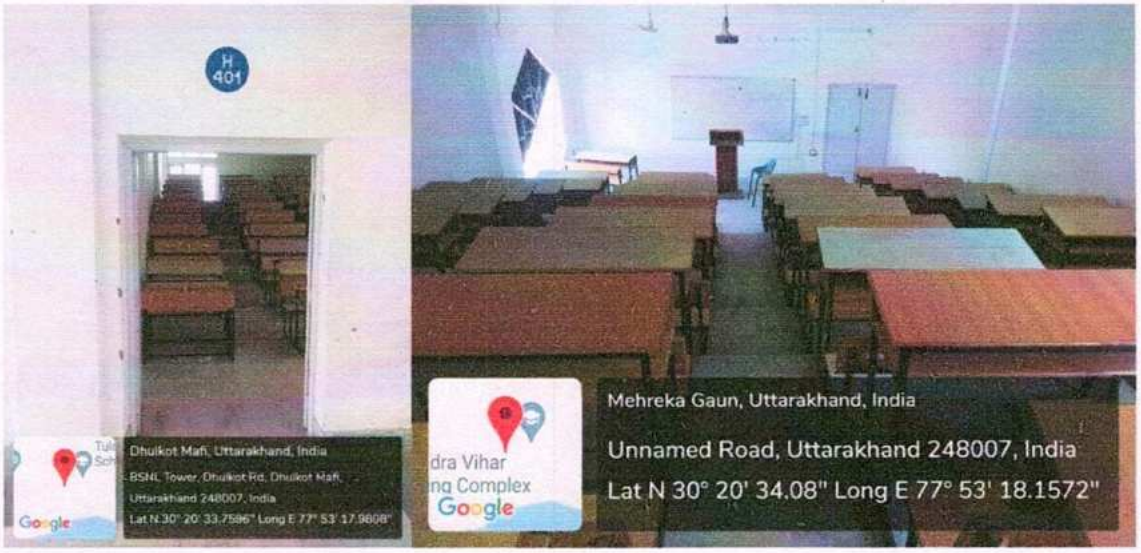

Classroom 47: H-401

Classroom 48: H-402

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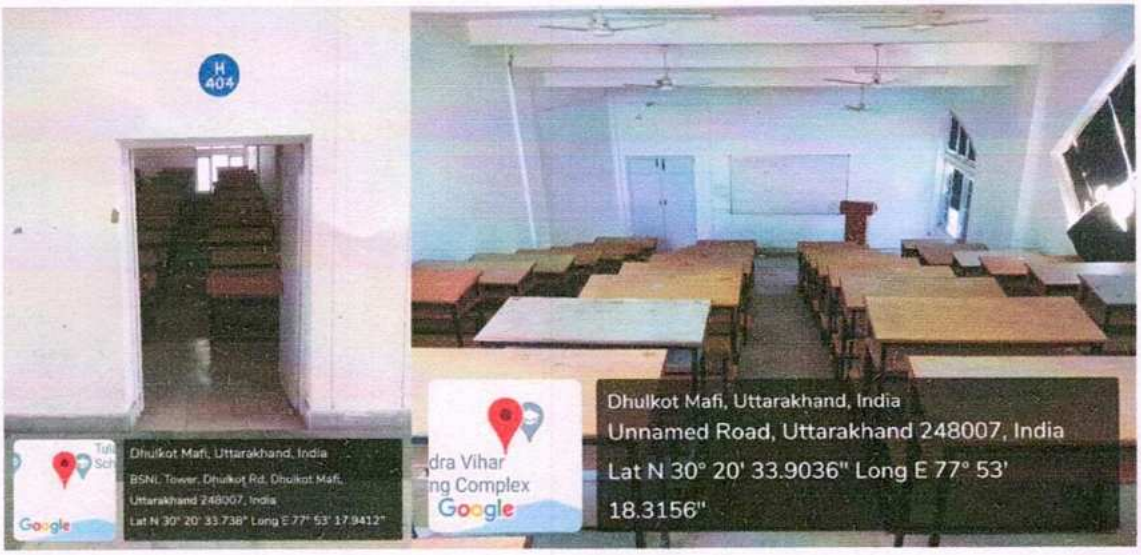
Classroom 49: H-403



Classroom 50: H-404

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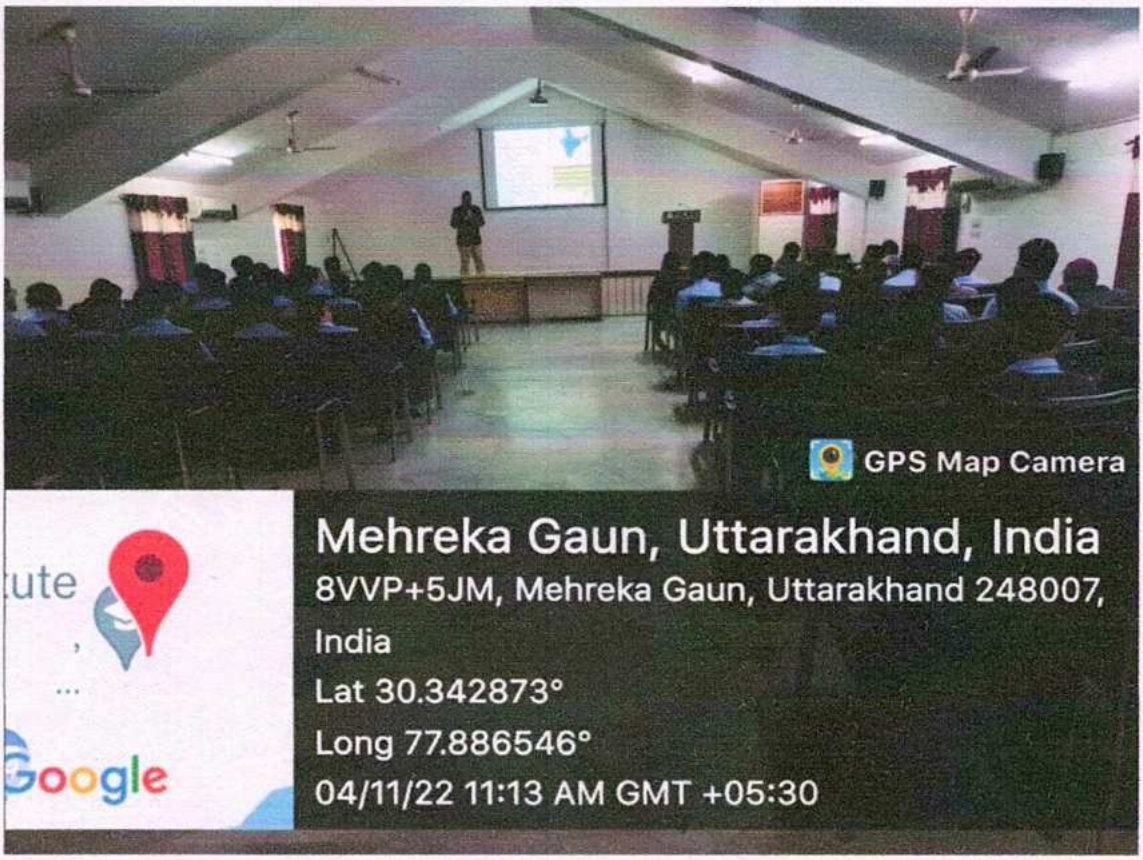

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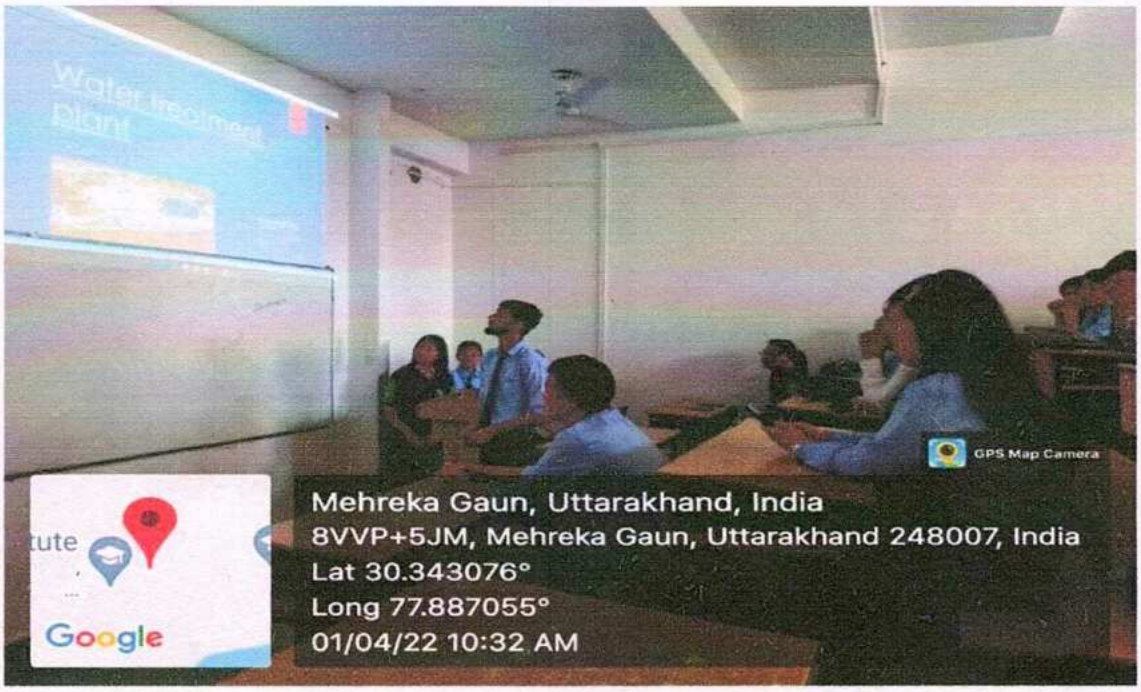

SEMINAR HALL

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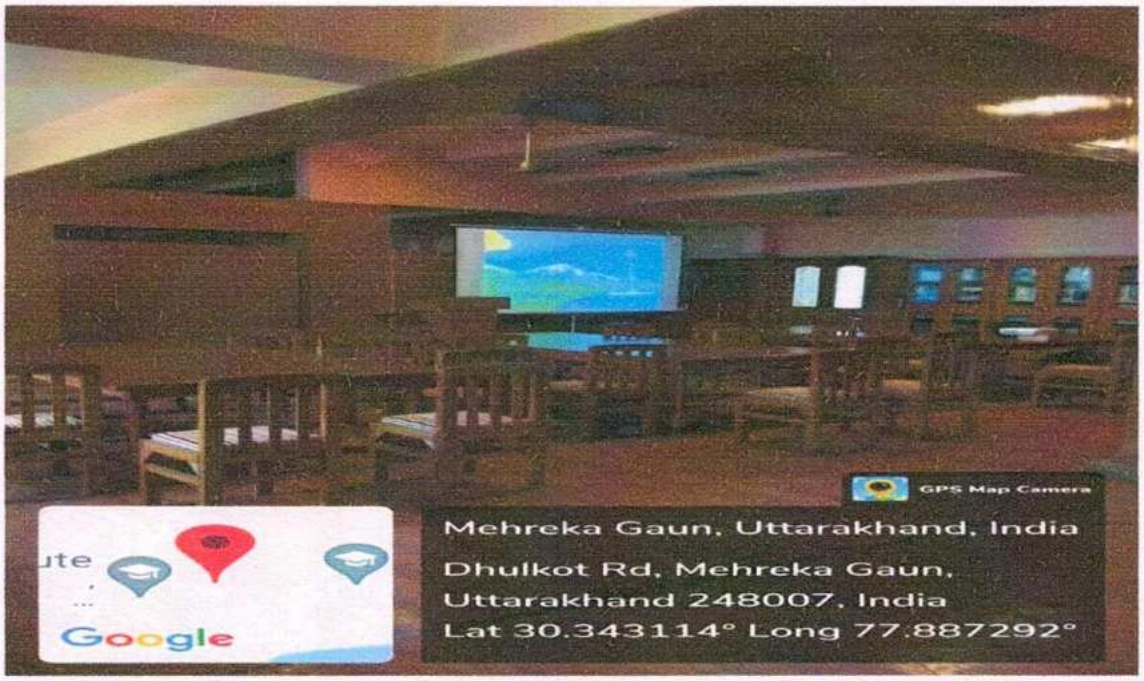
Seminar Hall 1



Seminar Hall 2

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Virtual Labs

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Civil Engineering

Surveying Lab

1. Study of various parts of Auto Level
2. Study of Plane Table and its Accessories
3. Detail Plotting by Radiation Method
4. Detail Plotting by Intersection Method
5. Carry out Contouring in the field
6. Study of Global Positioning System (GPS) and its Accessories
7. Observations using GPS
8. Observations of vertical and horizontal angles using total station (Total station)
9. To find out elevations of various points on the ground using auto-level by Profile Levelling method

sl-iitr.vlabs.ac.in/exp/intersection-method/posttest.html

Virtual Labs

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Civil Engineering > Surveying Lab > Experiments

Aim
Theory
Pretest
Procedure
Simulation
Posttest
References
Feedback

Detail plotting by intersection method.

The plane surfaces intersect in a _____ the line of intersection between two curved surfaces is _____ and between a plane surface and curved surfaces is a _____

- a straight line, curve, curve
- b straight line, straight line, curve
- c straight line, curve, straight line
- d curve, curve, curve

Which of the following methods of contouring is most suitable for a hilly terrain?

- a Tachometric method
- b Direct method
- c Square method
- d Cross-sections method

The size of a plane table is

- a 750 mm × 900 mm
- b 600 mm × 750 mm
- c 600 mm × 750 mm
- d 300 mm × 450 mm

Method of intersection is used when

- a Distance between point & instrument is large
- b Distance between point & instrument is small
- c Distance between point & instrument is very small
- d Distance between point & instrument is infinity

Method of intersection is also known as _____

- a Resection
- b Radiation
- c Graphical triangulation
- d Traversing

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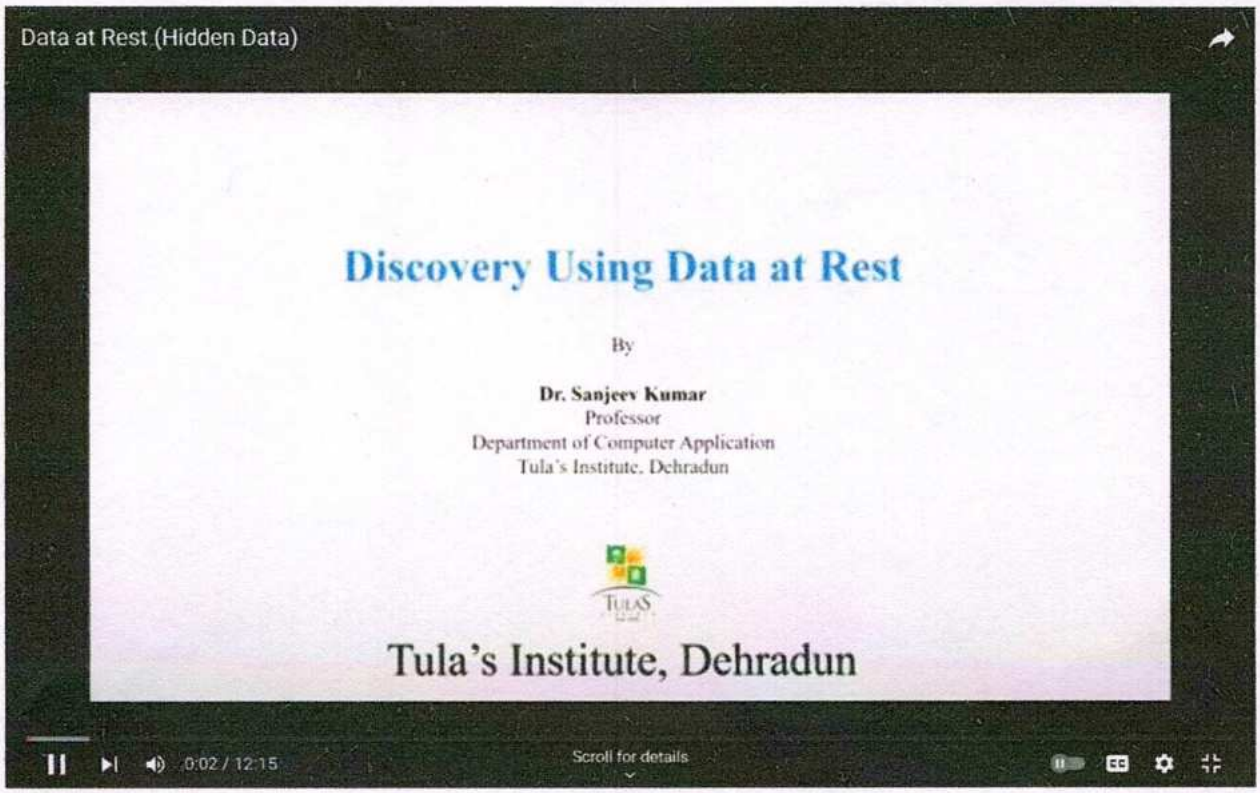
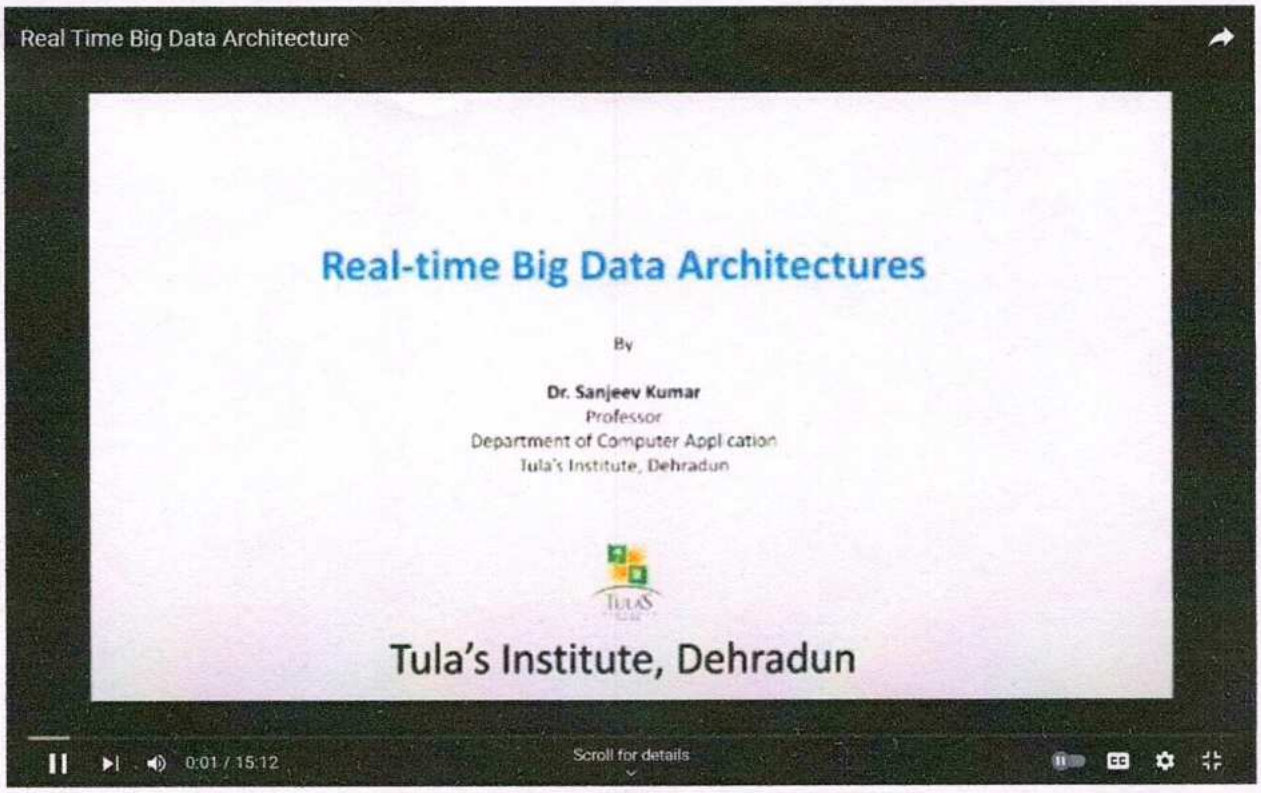
Annexure VII

Educational Resources Created by Faculty



https://youtu.be/RNfjxGzYtu4?feature=shared



https://youtu.be/XPxC8kgEP-4?feature=shared

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Tula's Institute, Dehradun

Annexure – VIII

Bills of projector procured

Tax Invoice

SYNERGY SYSTEMS 2022-23
54, Jakhan, Canal Road,
Dehradun, Uttarakhand
GSTIN/UIN: 05AWKPS6065R1ZK
State Name : Uttarakhand, Code : 05
E-Mail : synergydisty@gmail.com

Invoice No. SS/0404/22-23	Dated 22-Sep-2022
Delivery Note	Mode/Terms of Payment CDC
Supplier's Ref.	Other Reference(s)
Buyer's Order No.	Dated
Despatch Document No.	Delivery Note Date
Despatched through	Destination
Terms of Delivery	

Consignee
TULA'S INSTITUTE
DEHRADUN
GSTIN/UIN : 05AAATR8382G1ZB
State Name : Uttarakhand, Code : 05

Buyer (if other than consignee)
TULA'S INSTITUTE
DEHRADUN
GSTIN/UIN : 05AAATR8382G1ZB
State Name : Uttarakhand, Code : 05

Sl No.	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate	per	Amount
1	**EPSON EB-E01** S/N: X88Z2601413, X88Z2700669, X88Z2700077, X88Z2502604, X88Z2500192, X88Z2601472, X88Z2601213, X88Z2700624, X88Z2700636, X88Z2601151	8528	28 %	10 UNITS	26,800.00	UNITS	2,68,000.00
2	HDMI CABLE 15MTR	8544	18 %	12 UNITS	1,000.00	UNITS	12,000.00
3	VGA CABLE 15M (GREY)	8544	18 %	12 UNITS	1,000.00	UNITS	12,000.00
4	CEILING MOUNT KIT 1FT+1FT	83025000	18 %	12 UNITS	700.00	UNITS	8,400.00
							3,00,400.00
	OUTPUT CGST						40,436.00
	OUTPUT SGST						40,436.00
	Total			46 UNITS			₹ 3,81,272.00

Installed in classRoom.

Verified 22/09/2022

Approved 22/9/22

Amount Chargeable (in words)
INR Three Lakh Eighty One Thousand Two Hundred Seventy Two Only

E & O.E

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
8528	2,68,000.00	14%	37,520.00	14%	37,520.00	75,040.00
8544	24,000.00	9%	2,160.00	9%	2,160.00	4,320.00
83025000	8,400.00	9%	756.00	9%	756.00	1,512.00
Total	3,00,400.00		40,436.00		40,436.00	80,872.00

Tax Amount (in words) INR Eighty Thousand Eight Hundred Seventy Two Only

Company's Bank Details
Bank Name CENTRAL BANK OF INDIA
A/c No 3670009067
Branch & IFS Code JAKHAN, DEHRADUN & CBIN0283073

Company's PAN AWKPS6065R

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct

for SYNERGY SYSTEMS 2022-23

Authorised Signatory

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Director
Tula's Institute, Dehradun

SYNERGY SYSTEMS
54, Jakhan, Canal Road,
Central Bank of India Compound
Dehradun, Uttarakhand
GSTIN: 05AWKP[illegible]R1ZK

Tax Invoice

SYNERGY SYSTEMS 2022-23 54, Jakhan, Canal Road, Dehradun, Uttarakhand GSTIN/UIN: 05AWKPS6065R1ZK State Name : Uttarakhand, Code : 05 E-Mail : synergydisty@gmail.com	Invoice No. **SS/0727/22-23**	Dated **27-Mar-2023**
	Delivery Note	Mode/Terms of Payment **CDC**
	Supplier's Ref.	Other Reference(s)
Consignee **TULA'S INSTITUTE** DEHRADUN GSTIN/UIN : 05AAATR8382G1ZB State Name : Uttarakhand, Code : 05	Buyer's Order No.	Dated
	Despatch Document No.	Delivery Note Date
	Despatched through	Destination
Buyer (if other than consignee) **TULA'S INSTITUTE** DEHRADUN GSTIN/UIN : 05AAATR8382G1ZB State Name : Uttarakhand, Code : 05	Terms of Delivery 30157921094 5	

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	**EPSON EB-E01** -23 *X88Z3100846, X88Z3101203* *X88Z3100843,X88Z3100554* *X88Z3100441,X88Z3100842* *X88Z3100075 , X88Z3101047* *X88Z3100063*	8528	**9 UNITS**	26,800.00	UNITS	**2,41,200.00**
2	**EPSON EB-X49** -23 *X8B62Z00125*	8528	**1 UNITS**	35,000.00	UNITS	**35,000.00**
3	**HDMI CABLE 15MTR** > P-111	8544	**10 UNITS**	1,000.00	UNITS	**10,000.00**
4	**VGA CABLE 15M (GREY)**	8544	**7 UNITS**	1,000.00	UNITS	**7,000.00**
5	**CEILING MOUNT KIT 1FT+1FT** P-10	83025000	**7 UNITS**	700.00	UNITS	**4,900.00**
						2,98,100.00
	OUTPUT CGST					**40,639.00**
	OUTPUT SGST					**40,639.00**
	Total		**34 UNITS**			**₹ 3,79,378.00**

Amount Chargeable (in words) *E. & O.E*

INR Three Lakh Seventy Nine Thousand Three Hundred Seventy Eight Only

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
8528	2,76,200.00	14%	38,668.00	14%	38,668.00	77,336.00
8544	17,000.00	9%	1,530.00	9%	1,530.00	3,060.00
83025000	4,900.00	9%	441.00	9%	441.00	882.00
Total	**2,98,100.00**		**40,639.00**		**40,639.00**	**81,278.00**

Tax Amount (in words) : **INR Eighty One Thousand Two Hundred Seventy Eight Only**

Company's Bank Details
Bank Name : **CENTRAL BANK OF INDIA**
A/c No. : **3570009057**
Branch & IFS Code : **JAKHAN, DEHRADUN & CBIN0285073**

Company's PAN : **AWKPS6065R**

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for SYNERGY SYSTEMS 2022-23
SYNERGY SYSTEMS
54, Jakhan, Canal Road
(Central Bank Jakhan Compound)
Dehradun, Uttarakhand
GSTIN : 05AWKPS6065R1ZK
Authorised Signatory

SUBJECT TO DEHRADUN JURISDICTION

This is a Computer Generated Invoice

1,3,4,5 for Class Room
2- for Conference Hall
Verified
29/03/23

Director
Tula's Institute, Dehradun

Projector

Tax Invoice

SYNERGY SYSTEMS 2022-23
54, Jakhan, Canal Road,
Dehradun, Uttarakhand
GSTIN/UIN: 05AWKPS6065R1ZK
State Name : Uttarakhand, Code : 05
E-Mail : synergydisty@gmail.com

Invoice No. **SS/0583/22-23**	Dated **14-Jan-2023**
Delivery Note	Mode/Terms of Payment **CDC**
Supplier's Ref.	Other Reference(s)
Buyer's Order No.	Dated
Despatch Document No.	Delivery Note Date
Despatched through	Destination
Terms of Delivery	

Consignee
TULA'S INSTITUTE
DEHRADUN
GSTIN/UIN : 05AAATR8382G1ZB
State Name : Uttarakhand, Code : 05

Buyer (if other than consignee)
TULA'S INSTITUTE
DEHRADUN
GSTIN/UIN : 05AAATR8382G1ZB
State Name : Uttarakhand, Code : 05

Sl No.	Description of Goods and Services	HSN/SAC	Quantity	Rate	per	Amount
1	**VIEWSONIC IFP7532**	84719000	**1 NOS**	1,17,000.00	NOS	**1,17,000.00**
2	**OPS** *28000*	84733020	**1 NOS**	28,000.00	NOS	**28,000.00**
3	**INSTALLATION CHARGES** *INCLUSIVE OF MOUNTING KIT AND INSTALLATION*	998422				**2,500.00**
						1,47,500.00
	OUTPUT CGST					**13,275.00**
	OUTPUT SGST					**13,275.00**
	Total		**2 NOS**			**₹ 1,74,050.00**

Amount Chargeable (in words)
INR One Lakh Seventy Four Thousand Fifty Only

E. & O.E

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
84719000	1,17,000.00	9%	10,530.00	9%	10,530.00	21,060.00
84733020	28,000.00	9%	2,520.00	9%	2,520.00	5,040.00
998422	2,500.00	9%	225.00	9%	225.00	450.00
Total	1,47,500.00		13,275.00		13,275.00	26,550.00

Tax Amount (in words) : **INR Twenty Six Thousand Five Hundred Fifty Only**

Company's Bank Details
Bank Name : **CENTRAL BANK OF INDIA**
A/c No. : **3570009057**
Branch & IFS Code : **JAKHAN, DEHRADUN & CBIN0285073**

Company's PAN : **AWKPS6065R**

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for SYNERGY SYSTEMS 2022-23
SYNERGY SYSTEMS
54, Jakhan, Canal Road
(Central Bank of India Compound)
Dehradun, Uttarakhand
GSTIN : 05AWKPS6065R1ZK

Approved
23/1/2

SUBJECT TO DEHRADUN JURISDICTION

This is a Computer Generated Invoice

Director
Tula's Institute, Dehradun

Projector received by Rajnish Sir

Annexure - IX

Electronic Media Production Centre (EMPC) Facility Developed

EMPC facility developed in the institute for video creation.

Director
Tula's Institute, Dehradun

Director
Tula's Institute, Dehradun

Director
Tula's Institute, Dehradun