

Department of BBA

Details of Lesson Plan

| S.No. | Particulars | Details |
|-------|------------------------|-------------------|
| 1. | Course Name | Foundations of IT |
| 2. | Course Code | BBAMI-106(D) |
| 3. | Academic Year | 2023-2024 |
| 4. | Semester | 1 st |
| 5. | Number of Lesson plans | 43 |
| 6. | Faculty Assigned | Jagriti Sharma |



Faculty Signature



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| Lesson Plan No. 1.1 | Course Name: Foundation of IT Topic: Basic concepts of information systems, Business in the information age | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ul style="list-style-type: none">• Understand the basic concept of Information Technology• Understand the importance of Information Technology• Business in Information age. |
| Teaching Aids (if any) | <ol style="list-style-type: none">1. Power Point Presentation2. Online contents3. YouTube Videos |
| Teaching Development | <p>1. Introduction (5 minutes)</p> <ul style="list-style-type: none">• What do you know about Information Technology?• Introduce the concept of Information Technology• Explain the capabilities of Information technology• Business in Information age and its pressures• How have information systems changed business strategies? <p>2. Development (30 minutes)</p> <ul style="list-style-type: none">• Introduce the points mentioning the features of Information Technology• IT is the present and future• Explain the capabilities of Information Technology briefly• Explain in details Business in Information age and its pressures• Role of information technology in business• How Does Information Technology Affect Business?• What challenges do businesses face in the digital age? <p>3.Exercise (5 minutes)</p> <ul style="list-style-type: none">• Quiz related to topic given to students to solve through Google form• Impact of information technology in business world to be discussed with students• Students will analyze a use case of a business that successfully integrated modern information systems (e.g., Amazon, Netflix). |



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| Closure | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading:</p> <p>study.com/learn/lesson/information-systems-examples-types.html#:~:text=Basic%20Concepts%20of%20Information%20Systems,-An%20information%20system&text=The%20system%20for%20the%20man agement,retrieving%2C%20and%20storing%20the%20data.</p> <p>3. Original Paper on Information system:</p> <p>https://www.researchgate.net/publication/353381296_the_basic_concepts_of_information_systems</p> <p>4. Homework</p> <p>-Ask students to research a company that has undergone a digital transformation and write a brief report on how information systems have impacted its business operations.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>- [https://www.intechopen.com/chapters/76540]</p> <p>-https://study.niteshkverma.com/mlis/101_1.1.php</p> <p>-https://www.umsl.edu/~joshik/msis480/chapt02.htm</p> <p>YouTube Video:</p> <p>- [Introduction to Information system](https://www.youtube.com/watch?v=30-nGJ0uCA5)</p> |
| Evaluation | <p>1. Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What is Information Technology?2. How is IT being used in business?3. Why is a specific Information Technology service you use important? <p>.</p> |

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| Lesson Plan No. 1.2 | Course Name: Foundation of IT Topic: Basic concepts of information systems | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ul style="list-style-type: none"> • Understand the basic concept of Information System • Understand different types of information system |
| Teaching Aids (if any) | <ol style="list-style-type: none"> 1. Power Point Presentation 2. Online contents 3. YouTube Videos |
| Teaching Development | <p>1. Introduction (5 minutes)</p> <ul style="list-style-type: none"> • What is Data? • What do you mean by Information? • Introduce the concept of Information. • Introduce the concept of Information System. • Explain different types of Information system <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> • Introduce the points mentioning the features of Information system • Explain in detail different types of Information system with example • Explain Information structure, Transaction Processing System, Management Information Systems, Support System, Group decision support system (GDSS) • What is different Transaction processing essential to help businesses perform daily operations • How can small businesses leverage information systems effectively? <p>3.Exercise (5 minutes)</p> <ul style="list-style-type: none"> • Divide students into groups and assign a scenario where they need to design an information system for a specific business problem or opportunity. • Each group presents their proposed solution. • Question and answer round related to topic responses and discuss the answers. |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from |



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| | <p>Students on these.</p> <p>2. Suggested Reading:</p> <p>https://nptel.ac.in/courses/122105022.</p> <p>3. Original Paper on Information system:</p> <p>https://www.researchgate.net/publication/353381296_the_basic_concepts_of_information_systems</p> <p>4. Homework</p> <p>Search news articles or reports related to concepts of information system</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://www.javatpoint.com/information-system-</p> <p>https://www.tutorialspoint.com/management_information_system/basic_information_concepts.htm</p> <p>https://www.slideshare.net/slideshow/61-concepts-of-information-systems-15711691/15711691</p> <p>YouTube Video:</p> <p>- [Introduction to Information system]</p> <p>(https://www.youtube.com/watch?v=huVHZSxlqmM)</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <p>1 What is the difference between data and information?</p> <p>2. What are the components of an information system?</p> <p>3. How do hardware and software benefit an information system?</p> |



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| Lesson Plan No. 1.3 | Course Name: Foundation of IT Topic: Role of IT in Business and society | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ul style="list-style-type: none">• Understand the role of Information Technology in Society• Understand the role of Information technology in Business• Role of Information Technology in Business- High Quality Information |
| Teaching Aids (if any) | <ol style="list-style-type: none">1. Power Point Presentation2. Online contents3. YouTube Videos |
| Teaching Development | <p>1. Introduction (5 minutes)</p> <ul style="list-style-type: none">• How Information Technology Impact Society?• Introduce the role of Information Technology in society.• Role of information technology in business• Role of Information Technology in Business- High Quality Information <p>2. Development (30 minutes)</p> <ul style="list-style-type: none">• Explain role of Information Technology in society with examples• Explain in details Role of information technology in business• Role of Information Technology in business- High Quality Information need• How different sectors are benefited by Information technology during covid? <p>3.Exercise (5 minutes) –</p> <ul style="list-style-type: none">• Divide the Class: Split the students into two groups: Group A and Group B.• Assign Topics: Group A: Focus on the impact of IT in Business (e.g., productivity, customer service, data management). Group B: Focus on the impact of IT on Society (e.g., communication, access to information, privacy). |



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| | <ul style="list-style-type: none">• Each group will quickly share their top 2-3 examples with the class.• Highlight the diversity of IT's impact on both business and society. |
| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: https://techguidesindia.com/what-is-the-impact-of-information-technology-on-business-and-society/.3. Original Paper on role of IT in business and society: https://www.researchgate.net/publication/365748241_Technology_for_Better_Business_in_Society4. Homework Search news articles or reports related to role of IT in business and society.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.mzuonline.in/blog/the-role-of-information-technology-in-modern-business.html</p> <p>https://www.tutorialspoint.com/management_information_system/basic_information_concepts.htm</p> <p>https://www.hks.harvard.edu/sites/default/files/centers/mrcbg/programs/crifiles/report_12_CGI+Role+of+Business+in+Society+Report+FINAL+10-03-06.pdf</p> <p>YouTube Video: - [Introduction to Information system] https://www.youtube.com/watch?v=a58MNp72WDI</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What role does IT play in improving operational efficiency in organizations?2. Who is involved in the IT team, and what are their levels?3. What impact does IT have on customer service? |



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| Lesson Plan No. 1.4 | Course Name: Foundation of IT Topic: Managing Information Technology in Organization | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ul style="list-style-type: none">• Understand the concept of managing Information technology in organization.• Understand different organization structure• Understand different organization departments |
| Teaching Aids (if any) | <ol style="list-style-type: none">1. Power Point Presentation2. Online contents3. YouTube Videos |
| Teaching Developmen t | <p>1. Introduction (5 minutes)</p> <ul style="list-style-type: none">• What is an organization and what departments they have?• Introduction of concept of managing Information Technology?• Role of information technology in business• Role of Information Technology and organization structure <p>2. Development (30 minutes)</p> <ul style="list-style-type: none">• Explain Managing information technology in an organization with examples• Explain in details organization structure• Explain hierarchy structure and its advantages and disadvantages• Why is IT alignment with business goals important?• Explain that effective IT management is crucial for the success of an organization.• Briefly describe common challenges in IT management (e.g., resource allocation, cyber security, system integration). <p>3.Exercise (5 minutes) –</p> <ul style="list-style-type: none">• Identify the specific challenge associated with the assigned topic.• Propose 1-2 practical solutions or best practices for addressing the challenge.• Highlight the importance of addressing these challenges effectively and the impact of proposed solutions on overall IT management.• Question and answer round related to topic responses and discuss the answers. |



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| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: https://ecampusontario.pressbooks.pub/bus1600/chapter/managing-it/3. Original Paper on Information system: https://www.researchgate.net/publication/365748241_Technology_for_Better_Business_in_Society4. Homework Search news articles or reports related to role of IT in business and society.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.coursera.org/articles/it-management https://emeritus.org/blog/what-is-information-technology-management/ https://track.g2.com/resources/it-management</p> <p>YouTube Video: - [Introduction to Managing Information Technology in Organization] https://www.youtube.com/watch?v=46xb1eOo774</p> |
| Evaluation | Reflective Questions (What, why, Who?). Allow students to answer. <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What challenges has our organization faced in managing IT effectively?2. Who are the key stakeholders impacted by our IT decisions, and why is it important to engage with them?3. What are some benefits of effectively managing IT in an organization? |

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| Lesson Plan No. 1.5 | Course Name: Foundation of IT Topic: Information Technology System | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ul style="list-style-type: none"> • Understand the concept of managing Information technology in organization. • Understand different organization structure (Matrix) • Understand Project Management and Matrix |
| Teaching Aids (if any) | 4. Power Point Presentation 5. Online contents 6. Blackboard 7. YouTube Videos |
| Teaching Development | <p>1. Introduction (5 minutes)</p> <ul style="list-style-type: none"> • What is Project management? • Introduction of concept of Matrix Organization and its workflow? • Role of Information Technology and organization structure <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> • Explain in details Matrix Organization Structure. How it works for a project shared by different levels. • Explain types of Matrix structures • Explain advantages and disadvantages of Matrix structure <p>3.Exercise (5 minutes) –</p> <ul style="list-style-type: none"> • When dealing with large organizations, what type of analysis should be done by department to avoid confusion in Matrix system. • Question and answer round related to topic responses and discuss the answers. • Summarize the key points presented by each group |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. |



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| | <p>2. Suggested Reading:</p> <p>https://www.coursera.org/articles/what-is-information-technology</p> <p>3. Original Paper on Information system:</p> <p>https://www.researchgate.net/publication/365748241_Technology_for_Better_Business_in_Society</p> <p>4. Homework</p> <p>Search news articles or reports related to Information Technology System.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://www.techtargget.com/searchdatacenter/definition/IT</p> <p>https://track.g2.com/resources/it-management</p> <p>https://www.comptia.org/content/articles/what-is-information-technology</p> <p>https://emeritus.org/in/learn/the-6-types-of-information-systems-and-their-applications/</p> <p>YouTube Video:</p> <p>- [Introduction to Information Technology system]</p> <p>https://www.youtube.com/watch?v=guNcxwz_O2g</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What key components make up our current IT system?2. Why is data security crucial in our IT system?3. Who oversees the maintenance and upgrades of our IT system? |



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| Lesson Plan No. 1.6 | Course Name: Foundation of IT Topic: Information Technology System, MIS , GIS, HIS, Expert System | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ul style="list-style-type: none">• Understand the concept of Information technology system.• Understand different types of Information system in different scenarios• Understand Expert, GIS , HIS Systems and its applications |
| Teaching Aids (if any) | <ol style="list-style-type: none">1. Power Point Presentation2. Online contents3. Blackboard4. YouTube Videos |
| Teaching Development | <p>1. Introduction (5 minutes)</p> <ul style="list-style-type: none">• Ask questions• What is Information system and its importance in our day-to-day life?• Introduction to Management Information system?• Introduction to Geographic information system?• Introduction to Expert system?• Introduction to health information system? <p>2. Development (30 minutes)</p> <ul style="list-style-type: none">• Explain in detail all types of Information systems.• Why is an MIS important in the workplace?• Benefits of an MIS• Primary function of HIS• How GIS is used in day-to-day life• Benefits of HIS• Expert system and its applications <p>3.Exercise (5 minutes) –</p> <ul style="list-style-type: none">• Summarize the key differences between the systems and their primary uses.• Emphasize how each system plays a unique role in different domains.• Think pair and share• Question and answer round related to topic responses and discuss |



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| | the answers. |
| Closure | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: https://www.geeksforgeeks.org/types-of-information-system/</p> <p>3. Original Paper on Information system: https://www.asprs.org/wp-content/uploads/pers/1987journal/oct/1987_oct_1435-1441.pdf</p> <p>4. Homework Search news articles or reports related to IT system.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://www.includehelp.com/MIS/expert-system-in-management-information-system.aspx#google_vignette https://track.g2.com/resources/it-management https://www.comptia.org/content/articles/what-is-information-technology https://emeritus.org/in/learn/the-6-types-of-information-systems-and-their-applications/</p> <p>YouTube Video: - [Introduction to Information Technology system] https://www.youtube.com/watch?v=guNcxwz_O2g</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What is the role of MIS in our organization?2. What are the key features of an Expert System, and how does it support decision-making?3. What distinguishes an Expert System from other types of information systems?4. Specify some benefits of GIS . |



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| Lesson Plan No. 1.7 | Course Name: Foundation of IT Topic: IT support at different organization levels, Organization Structure - level | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understand the concept IT support at different organization levels b. Understand different types of Organization Structure - level |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (5 minutes) <ul style="list-style-type: none">• Ask questions• What is the importance of IT support in an organization?• Introduction to Organization Structure and its levels?• Introduction to different level of support.• Which IT support level deals with daily user issues?• What is the main focus of IT support at the tactical level? 2. Development (30 minutes) <ul style="list-style-type: none">• Explain in detail the organization structure and support needed at different Levels.• Discussion related to Management hierarchy related to Information system Hierarchy.• What are three levels of support?• What is the primary role of IT support at the executive level?• What type of issues is typically escalated to IT management?• What does IT support at the service desk typically handle? 3.Exercise (5 minutes) – <ul style="list-style-type: none">• Present the following scenario to the groups:-"Your organization is experiencing a major system outage that impacts multiple departments. How would IT support address this issue at each organizational level?"• Ask each group to discuss and outline how IT support should respond at each level (Executive, Management, and Operational) to resolve the issue effectively. |



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| | <ul style="list-style-type: none">• Question and answer round related to topic responses and discuss the answers. |
| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: https://blog.invgate.com/the-5-levels-of-it-support3. Original Paper on Information system: https://www.asprs.org/wp-content/uploads/pers/1987journal/oct/1987_oct_1435-1441.pdf4. Homework Search news articles or reports related to IT system.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://intellisoft.io/it-support-levels-understanding-the-differences-of-11-12-13-more/</p> <p>https://www.bmc.com/blogs/support-levels-level-1-level-2-level-3/</p> <p>https://www.knowledgehut.com/blog/it-service-management/it-support-levels</p> <p>YouTube Video: - [Introduction to IT support at different levels] https://www.youtube.com/watch?v=IIKI9F33wAI</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What are the different levels of IT in different organisation2. What are the different support levels?3. Why is it important for executives to understand IT implications for decision-making?4. Why is collaboration between IT support levels important? |



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| Lesson Plan No. 1.8 | Course Name: Foundation of IT Topic: IT people and career | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ul style="list-style-type: none">• Understand the Role of Information System Department• Understand different opportunities available as IT career and IT people• Understanding of various IT career paths.• Identify required skills and qualifications for different IT roles.• Develop a personalized career plan based on their interests and strengths. |
| Teaching Aids (if any) | <ol style="list-style-type: none">1. Power Point Presentation2. Online contents3. Blackboard4. YouTube Videos |
| Teaching Development | <p>1. Introduction (5 minutes)</p> <ul style="list-style-type: none">• Ask questions• What is the career available in IT sector?• Do you think IT sector is having great opportunities to work?• What first inspired you to pursue a career in IT?• Explain the importance of a personalized career plan.• What do you see as the biggest challenge in working in IT today? <p>2. Development (30 minutes)</p> <ul style="list-style-type: none">• Explain in detail IT People and Careers• What does It people do?• What is a key responsibility of a Software Developer?• Which certification is important for a Network Engineer?• Name one emerging trend in Cyber security. <p>3.Exercise (5 minutes) –</p> <ul style="list-style-type: none">• Career Path List: Provide students with a list of IT careers (e.g., Software Developer, Network Engineer, Cyber security Analyst, Data Scientist, IT Project Manager).• Selection: Ask students to select one career path from the list that interests them the most. |



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| Closure | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: https://www.coursera.org/articles/it-career-paths-how-to-get-started</p> <p>3. Original Paper on Information system: https://www.asprs.org/wp-content/uploads/pers/1987journal/oct/1987_oct_1435-1441.pdf</p> <p>4. Homework Search news articles or reports related to IT people and career.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://www.indeed.com/career-advice/career-development/it-jobs-qualification https://www.comptia.org/content/articles/what-is-information-technology https://www.knowledgehut.com/blog/it-service-management/it-support-levels</p> <p>YouTube Video: - [Introduction to IT support at different levels] https://www.youtube.com/watch?v=XmWkcePhf84</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer. Reflective Questions:</p> <ol style="list-style-type: none">1. What are the primary responsibilities of an IT professional in our organization?2. What emerging technologies are shaping the future of IT careers?3. What skills do you need to achieve this goal?4. Why does this career interest you? |



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| Lesson Plan No. 2.1 | Course Name: Foundation of IT Topic: Computer Systems and Networks: Computer Systems- Hardware -I/O devices | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understand the concept of Computer System Understand different Hardware I/O devices Understand Role of I/O devices |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What is Computer System? What are different components of Computer System? Introduction of concept of Hardware? What is an I/O device in a computer system? Name two examples of input devices. What is the primary function of an output device? <p>Development (30 minutes)</p> <ul style="list-style-type: none"> Explain in details different types of Hardware Explain types of Hardware- Internal and external hardware Role of I/O devices Explain Input Devices Which device is an example of both an input and output device? How does a scanner function as an input device? What type of I/O device is a USB drive? What type of I/O device is a USB drive? <p>Exercise (5 minutes) –</p> <ul style="list-style-type: none"> Device Identification Quiz Instructions: Provide students with a quiz sheet containing images or descriptions of various I/O devices. Task: Students must identify each device, categorize it (input, output, or both), and briefly describe its function. |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. |



Version 1.1



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| | <p>2. Suggested Reading:</p> <p>https://www.techtarget.com/searchnetworking/definition/hardware</p> <p>3. Original Paper on Information system:</p> <p>https://www.researchgate.net/publication/373993738_Investigating_The_Role_of_the_use_of_computer_Hardware_software_and_lecturer_involvement_on_online_universities_student_satisfaction</p> <p>4. Homework</p> <p>Search news articles or reports related to Computer Systems.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://peda.net/kenya/ass/subjects2/computer-studies/form-1/the-computer-system</p> <p>https://www.indeed.com/career-advice/career-development/what-are-basic-components-of-computer-hardware</p> <p>https://www.shiksha.com/online-courses/articles/examples-of-hardware/#:~:text=Computer%20hardware%20includes%20Central%20Processing,and%20Networking%20Hardware%20(routers%2C%20switches</p> <p>YouTube Video:</p> <p>- [Introduction to Computer Systems- Hardware -I/O devices]</p> <p>https://www.youtube.com/watch?v=FpeTEfvuOl4</p> |
| <p>Evaluation</p> | <p>1. Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. Name two common examples of output devices2. What is the primary function of an input device?3. What type of device is a webcam classified as?4. Name a common output device and its function. |



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| Lesson Plan No. 2.2 | Course Name: Foundation of IT Topic: Computer Systems and Networks: Computer Systems- Hardware -I/O devices-Memory devices | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understand the concept of Hardware- Output devices b. Understand about Memory Devices c. Understand about different Internal and External Memory |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Developmen t | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What do you mean by memory of computer?• What are different types of Memory Devices?• Introduction of Primary and Secondary memory Devices?• What is the primary function of RAM in a computer system?• Introduction to SSD (Solid-State Drive) 2.Development (30 minutes) <ul style="list-style-type: none">• Explain types of Primary Devices• Explain in detail Secondary devices• Explain about Cache Memory• Explain Computer system Block Diagram• What type of memory is used to store firmware?• What are the advantages of SSDs over HDDs?• How does ROM differ from RAM?• Types and functions of volatile and non-volatile memory. 3.Exercise (5 minutes) – <ul style="list-style-type: none">• Memory Device Case let• Instructions: Divide students into small groups. Each group receives a case study scenario related to memory devices.• Task: Groups discuss the scenario, analyze the benefits and drawbacks of different memory options, and prepare short points with their recommendations. |



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| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: https://www.indeed.com/career-advice/career-development/what-are-basic-components-of-computer-hardware3. Original Paper on concept of Hardware- Output devices: https://www.researchgate.net/publication/373993738_Investigating_The_Role_of_the_use_of_computer_Hardware_software_and_lecturer_involvement_on_online_universities_student_satisfaction4. Homework Search news articles or reports related to Memory Devices.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.geeksforgeeks.org/what-are-different-output-devices/</p> <p>https://www.javatpoint.com/monitor components-of-computer-hardware</p> <p>YouTube Video: - [Introduction to Memory Devices] https://www.youtube.com/watch?v=FpeTEfvuOl4</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What is the main difference between RAM and ROM?2. What is a cache memory, and why is it important?3. Why RAM is primarily used in computer system?4. Name a common application where ROM is crucial.5. Why is RAM considered volatile memory? |



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| Lesson Plan No. 2.3 | Course Name: Foundation of IT Topic: Computer Systems and Networks: Computer Systems- Processor | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none">Understand the concept of ProcessorUnderstand about CPU operationsUnderstand about different types of Processors |
| Teaching Aids (if any) | <ol style="list-style-type: none">Power Point PresentationOnline contentsBlackboardYouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none">Ask questionsWhat do you mean by Processor?What are Microprocessor and its parts?What is the role of the Control Unit (CU) in a processor?What is cache memory used for in a CPU? <p>2. Development (30 minutes)</p> <ul style="list-style-type: none">What does the Arithmetic Logic Unit (ALU) in a CPU do?Explain in detail different types of processorsExplain CPU operationsName one advantage of having multiple cores in a CPU.What is clock speed, and how is it measured?Explain comparative analysis of different types of processorsWhat is one key difference between Intel and AMD processors?Difference between Registers and Cache memory <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none">Processors AnalysisInstructions: Divide students into small groups and provide each group with a different scenario where a specific processor would be used.Task: Each group analyzes their scenario and selects an appropriate processor type. They should justify their choice based on factors like clock speed, number of cores, and cache size. |



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| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: https://www.geeksforgeeks.org/central-processing-unit-cpu/3. Original Paper on Information system: https://www.researchgate.net/publication/318463454_Processor4. Homework Search news articles or reports related to Computer System processor.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://digitalthinkerhelp.com/what-is-processor-in-computer-definition-and-types-of-processor/</p> <p>https://www.elprocus.com/what-are-different-types-of-processors-applications-and-characteristics/</p> <p>https://www.techtarget.com/whatis/definition/processor</p> <p>YouTube Video: - [Introduction to Computer Systems- Processor] https://www.youtube.com/watch?v=3RvkfuXUv1c</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What is the primary function of a CPU?2. Why is cache memory faster than RAM?3. Give an example of a common use case for an ARM processor.4. What is the difference between a 32-bit and a 64-bit processor? |



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| Lesson Plan No. 2.4 | Course Name: Foundation of IT Topic: Computer Systems and Networks: : Software - classification of software- systems software, Application software | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understand the concept of Software Brief history of Software Understand about different types of Software classification |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What do you mean by Software? History of Software in brief. What is system software What is application software <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> Explain in detail about Software Explain different types of software Explain Application software Name one example of an operating system What type of software would a disk cleanup tool be classified as? Explain different types of Business Software How different software interact – Software stack What is utility software used for? What type of software would a video game fall under? <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> Categorization Game Instructions: Organize a class-wide game where students categorize a list of software into system or application software. Provide a list of software names and have students work individually or in pairs to place each into the correct category. Task: Students sort the software into two categories and explain their |



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| | choices to the class. |
| Closure | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: https://www.geeksforgeeks.org/software-and-its-types/</p> <p>3. Original Paper on Classification of Processors: https://www.researchgate.net/publication/318463454_Processor</p> <p>4. Homework Search news articles or reports related to Computer System processor.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://www.techtarget.com/searcharchitecture/definition/software https://www.futurelearn.com/info/courses/computer-systems/0/steps/53500 https://www.techtarget.com/whatis/definition/software https://www.geeksforgeeks.org/software-and-its-types/</p> <p>YouTube Video: - [Introduction to Computer Systems- Software] https://www.youtube.com/watch?v=3RvkfuXUv1c</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What is the primary purpose of system software?2. Name two examples of operating system software.3. Give an example of media software.4. What is utility software used for? |



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| Lesson Plan No. 2.5 | Course Name: Foundation of IT Topic: Computer Systems and Networks: : Operating Systems- Definition-Types of OS | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understand the concept of Operating System b. Understanding of different types of OS c. Understand classification of different types within Single user and Multi user OS |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What is an operating system?• History of Software in brief.• What is the main purpose of a batch operating system?• Introduction to Single-User OS• Real-Time OS 2. Development (30 minutes) <ul style="list-style-type: none">• Explain in detail types of OS• Name one function of an operating system.• Explain different types of Single user OS• Explain Multiuser OS• Explain Multitasking OS• Explain Distributed OS• What type of operating system is designed for real-time processing?• Give an example of a mobile operating system• Name a characteristic of a multitasking operating system.• Which OS is known for its high reliability and minimal latency? 3. Exercise (5 minutes) – <ul style="list-style-type: none">• Task: Write a short report on a specific operating system (e.g., Windows, Linux, and Android). Include information on its features, types, and use cases. Compare it with another OS as we discussed and |



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| | highlight the differences. |
| Closure | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: https://www.geeksforgeeks.org/software-and-its-types/</p> <p>3. Original Paper on Information system: https://www.researchgate.net/publication/318463454_Processor</p> <p>4. Homework Search news articles or reports related to Computer System processor.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://www.techtarget.com/searcharchitecture/definition/software https://www.futurelearn.com/info/courses/computer-systems/0/steps/53500 https://www.techtarget.com/whatis/definition/software https://www.geeksforgeeks.org/software-and-its-types/</p> <p>YouTube Video: - [Introduction to Computer Systems- Software] https://www.youtube.com/watch?v=3RvkfuXUv1c</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What is an operating system (OS)?2. Name two primary functions of an operating system.3. What is a multitasking operating system?4. Why mobile operating systems need to manage power efficiently. |



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| Lesson Plan No. 2.6 | Course Name: Foundation of IT Topic: Computer Systems and Networks: : Understanding of GUI | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understand the concept of GUI b. Understanding of elements of GUI |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Developmen t | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What do you mean by GUI?• Brief concept of GUI.• What role does a dialog box play in a GUI?• What is the main purpose of a toolbar in a GUI?• Name GUI component?• Importance of GUIs in modern computing 2. Development (30 minutes) <ul style="list-style-type: none">• Explain in detail elements of GUI• Explain advantages of GUI• Explain disadvantages of GUI• Name two key differences between desktop GUIs and mobile GUIs.• Difference between web-based GUI from a desktop GUI?• Examples of Desktop GUI• GUI Components and Their Functions 3. Exercise (5 minutes) – <ul style="list-style-type: none">• GUI Component Identification• Instructions:<ol style="list-style-type: none">1. Provide the Students with Screenshots: Give students a set of screenshots showing different GUIs. These could include examples from desktop applications, mobile apps, and web interfaces.2. Task: Ask students to identify and label various GUI components in each screenshot, such as: |



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| | <ul style="list-style-type: none"> ○ Buttons ○ Icons ○ Menus ○ Toolbars ○ Dialog Boxes ○ Windows |
| <p>Closure</p> | <ol style="list-style-type: none"> 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. 2. Suggested Reading: https://www.heavy.ai/technical-glossary/graphical-user-interface#:~:text=A%20graphical%20user%20interface%20(GUI,devices%20via%20visual%20indicator%20representations. 3. Original Paper on Information system: https://www.researchgate.net/publication/257391348_Graphical_user_interface_GUI_testing_Systematic_mapping_and_repository 4. Homework Search news articles or reports related to Computer System processor. 5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.indeed.com/career-advice/career-development/gui-meaning</p> <p>https://www.geeksforgeeks.org/gui-full-form/</p> <p>YouTube Video: - [Introduction to Computer Systems- Understanding of GUI] https://study.com/academy/lesson/video/what-is-a-graphical-user-interface-gui-definition-components-examples.html</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none"> 1. What does GUI stand for? 2. Name two common elements of a GUI. |



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| Lesson Plan No. 2.7 | Course Name: Foundation of IT Topic: Computer Systems and Networks: : Networks- Definition- Types of Networks- LAN, WAN, MAN | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none">Understand the concept of NetworkUnderstanding of different types of NetworksBrief Introduction of Features of Networks |
| Teaching Aids (if any) | <ol style="list-style-type: none">Power Point PresentationOnline contentsBlackboardYouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none">Ask questionsWhat do you mean by Network?Brief concept of NetworkingWhat does LAN stand for?Primary characteristic of a WAN? <p>2. Development (30 minutes)</p> <ul style="list-style-type: none">Explain in detail types of NetworksExplain advantages and disadvantage of different types of Network, LAN, MAN, WANComparison between LAN, MAN, WANWhat is a common use case for a MAN?What technology is commonly used in LANs for high-speed data transfer?Which network type is used to connect multiple campuses across a city?Specify the network to connect branch offices across different countries? <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none">Quick QuizMultiple-Choice Questions: Present a series of short multiple-choice questions related to LAN, WAN, and MAN to test students' understanding. |



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| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: https://aws.amazon.com/what-is/computer-networking/3. Original Paper on Information system: https://www.researchgate.net/publication/317101504_Computer_Networking_A_Survey4. Homework Search news articles or reports related to different types of Computer networks.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.cisco.com/c/en_in/solutions/enterprise-networks/what-is-computer-networking.html</p> <p>https://aws.amazon.com/what-is/computer-networking/</p> <p>https://archive.nptel.ac.in/courses/106/105/106105183//</p> <p>YouTube Video: - [Introduction to Computer networks] https://www.youtube.com/watch?v=2FBxJA5Im94</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What does LAN stand for?2. What is a network topology?3. What is the purpose of a network switch?4. Name one advantage of using a MAN over a WAN. |

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| Lesson Plan No. 2.8 | Course Name: Foundation of IT Topic: Computer Systems and Networks: Network Topologies | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understand the concept of Network Understanding of different types of Network topology Understand the pros and cons of different Network topologies |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What do you mean by Network? Brief concept of Networking. What is a network topology? What is a hybrid topology? Define Ring Topology. What is a key disadvantage of bus topology? Drawback of using a fully connected mesh topology? <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> Explain advantages and disadvantage of different types of Network topologies Advantages of Hybrid topologies Which topology uses a central hub or switch to connect all devices? Explain Ring topology Brief discussion about Mesh topology In which topology do devices connect in a circular fashion? What is a major benefit of mesh topology? Which topology combines elements of two or more different topologies? |



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| | <p>3.Exercise (5 minutes) –</p> <ul style="list-style-type: none">• Topology Matching Exercise• Provide Diagrams: Hand out blank diagrams of various network topologies or draw on the Blackboard.• Instructions: Ask students to match each diagram with the correct type of network topology (Bus, Star, Ring, Mesh, and Hybrid).• Activity: Students will label each diagram with the appropriate topology name and list one advantage and disadvantage for each topology. |
| <p>Closure</p> | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: https://www.techtarget.com/searchnetworking/definition/network-topology3. Original Paper on Information system: https://www.researchgate.net/publication/301419809_A_review_of_Network_Topology4. Homework Search news articles or reports related to Computer network topologies.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.geeksforgeeks.org/types-of-network-topology/</p> <p>https://www.javatpoint.com/computer-network-topologies</p> <p>https://www.tutorialspoint.com/data_communication_computer_network/computer_network_topologies.html</p> <p>https://www.shiksha.com/online-courses/articles/different-types-of-network-topology/</p> <p>YouTube Video: - [Introduction to Computer network topologies] https://www.youtube.com/watch?v=-9KbFgesTl8</p> |



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Evaluation

Reflective Questions (What, why, Who?). Allow students to answer.

Reflective Questions:

1. What is a network topology?
2. Name the four basic types of network topologies.
3. What is a primary advantage of a star topology?
4. Which topology is known for its high fault tolerance?

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| Lesson Plan No. 2.9 | Course Name: Foundation of IT Topic: Computer Systems and Networks: Physical Communication Media-TCP/IP | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understand the concept of physical communication media Understanding of different layers of TCP Understand the functionality at different levels of TCP |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What does TCP/IP stand for? Name different types of TCP/IP model. List the different types. How the information travels from sender to receiver? Discuss different types of media. <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> Which layer of the TCP/IP model is responsible for end-to-end communication? What protocol is used for reliable data transmission in the TCP/IP model? What type of cable is commonly used in Ethernet networks? Which TCP/IP layer handles logical addressing and routing? In which TCP/IP layer would you find protocols like HTTP and FTP? What does the Link Layer of the TCP/IP model manage? Which physical medium uses light to transmit data List some advantages of coaxial cable. Different protocols used in Application layer. <p>3. Exercise (5 minutes) –</p> <p><input type="checkbox"/> Role-Play Activity:</p> <p>Assign each student a TCP/IP protocol role (e.g., HTTP, FTP, TCP, UDP).</p> |



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| | <p>Provide each student with describing their protocol's function and purpose.</p> <p><input type="checkbox"/> Activity:</p> <p>Students act out how their protocol operates in a network communication scenario, such as transferring a file or loading a web page.</p> <p>Other student's guess which protocol is being role-played based on the actions and explanations.</p> |
| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: https://www.techtarget.com/searchnetworking/definition/TCP-IP3. Original Paper on Information system: https://www.researchgate.net/publication/301419809_A_review_of_Network_Topology4. Homework Search news articles or reports related to TCP/IP model.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.geeksforgeeks.org/tcp-ip-model/</p> <p>https://afteracademy.com/blog/what-is-the-tcp-ip-model-and-how-it-works/</p> <p>https://docs.oracle.com/cd/E19253-01/816-4554/ipov-10/index.html</p> <p>YouTube Video:</p> <p>- [Introduction to Physical Communication Media-TCP/IP]</p> <p>https://www.youtube.com/watch?v=uSFkqxIqb</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What are the different layers of TCP/IP2. Explain Application layer. |



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| | 3. What is a primary function of Physical layer. |
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| Lesson Plan No. 2.10 | Course Name: Foundation of IT Topic: Computer Systems and Networks: Physical Communication Media-OSI | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> a. Understand the concept of physical communication media b. Understanding of different layers of OSI model c. Understand the functionality at different levels of OSI |
| Teaching Aids (if any) | <ol style="list-style-type: none"> 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> • Ask questions • What is the primary function of the Physical Layer in the OSI model? • Explain Data link layer. • Components of Network layer. • Protocols of session layer <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> • What are the responsibilities of Transport layer • Which type of cable is commonly used for Ethernet networks? • Name a type of cable that uses light to transmit data. • What is a common use for twisted pair cables besides Ethernet? • Name one advantage of fibre optic cables over twisted pair cables. • Functions of Application layer • Summarize the different layers of OSI model. <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> • Media Matching <ul style="list-style-type: none"> ○ Instructions: Provide students with a list of different types of cables and a diagram of the OSI model. A) Twisted Pair b) Coaxial c) Fibre Optic ○ Ask students to match each type of cable to the |



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| | <p>appropriate layer of the OSI model where it primarily operates.</p> |
| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: https://www.checkpoint.com/cyber-hub/network-security/what-is-the-osi-model-understanding-the-7-layers/3. Original Paper on Information system: https://ieeexplore.ieee.org/document/6014631/4. Homework Search news articles or reports related to Physical media-OSI model.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.cloudflare.com/learning/ddos/glossary/open-systems-interconnection-model-osi/</p> <p>https://www.geeksforgeeks.org/open-systems-interconnection-model-osi/</p> <p>https://www.javatpoint.com/osi-model</p> <p>https://aws.amazon.com/what-is/osi-model/#:~:text=The%20Open%20Systems%20Interconnection%20(OSI,across%20geographical%20and%20political%20boundaries.</p> <p>YouTube Video: - [Introduction to Physical Communication Media-OSI model] https://www.youtube.com/watch?v=0y6FtKsg6J4</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What does OSI stand for in the OSI model?2. How many layers are there in the OSI model?3. What is the primary function of the Network layer? |



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| Lesson Plan No. 3.1 | Course Name: Foundation of IT Topic: Strategic Advantage and Information Technology | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> a. Understand the concept of Strategic Information System b. Understanding of Importance of Strategic Information System c. Understand the Role of IT in Strategic System |
| Teaching Aids (if any) | <ol style="list-style-type: none"> 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> • Ask questions • What do you mean by Strategy and Strategic Information System? • What is a strategic advantage in business? • How can IT contribute to cost leadership? • Digital transformation in the context of IT? <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> • Explain in detail Strategic Information System • What role does data analytics play in achieving competitive advantage? • Name a benefit of using IT for innovation in business. • How can automation through IT improve business operations? • What is a common challenge when leveraging IT for strategic advantage? • How does IT enable organizational agility? • What is operational efficiency in IT terms? • Which IT strategy focuses on creating unique products or services? <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> • Case Study Analysis: Each group will analyze the provided case study or their chosen company based on the following criteria: • Competitive Advantage: How has the company used IT to achieve a competitive edge? • Operational Efficiency: What IT solutions has the company |



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| | <p>implemented to improve operational efficiency?</p> <ul style="list-style-type: none"> • Innovation: How has IT contributed to innovation within the company? |
| Closure | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading:</p> <p>http://contents.kocw.or.kr/document/ch12_17.pdf</p> <p>3. Original Paper on Strategic Information system:</p> <p>https://www.researchgate.net/publication/307828937_Competing_through_Information_Technology</p> <p>4. Homework</p> <p>Search news articles or reports related to concept of Strategic Information System</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://hbr.org/1985/07/how-information-gives-you-competitive-advantage</p> <p>https://www.indeed.com/career-advice/career-development/strategic-use-of-it//</p> <p>YouTube Video:</p> <p>- [Introduction to Strategic Advantage and Information Technology]</p> <p>https://www.google.com/search?sca_esv=fa70f7cd442e3964&sca_upv=1&q=Strategic+Advantage+and+Information+Technology&tbm=vid&source=Inms&fbs=AEQNm0CRraR4AFMOJtZDUPiZk_hDEGW7EwGJ8ltzg0fUf3C5Xd1mhrmUZ_z_Gw36zS3CIPG8xCRAefxrRYeluhQGyKyJmlTO0zgFWYJ90EHfF9JOC9TxZw9GSEMucDwobS1Kn7CvbpdRqSuB9i9sRMNuzwOPGMZJaTGds-9WuvfyoQdaGBXltLW8p7OkrLqC2iIPN4_U-tdIEGb1Z4ergQNfTdQuDlkyw&sa=X&ved=2ahUKEwjxk9qxmC6HAXV_R2wGHaWCOqEQ0pQJegQIEhAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:102f2ccb,vid:sv9oybx4NeQ,st:0</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> |



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| | <ol style="list-style-type: none">1. What is meant by "strategic advantage" in a business context?2. What role does IT play in competitive differentiation?3. How can information technology create a strategic advantage for a company? |
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| Lesson Plan No. 3.2 | Course Name: Foundation of IT Topic: Porter's Competitive force model and IT-Competitive Intelligence | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understand the concept of Competitive Intelligence Understanding of use of Competitive Intelligence Discuss about competitive Intelligence on Internet |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What do you mean by Intelligence? Brief concept of Competitive Intelligence What are the five forces in Porter's Competitive Force Model? Primary purpose of competitive intelligence in relation to Porter's model? <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> How can IT impact the "Threat of New Entrants" according to Porter's model? Which IT tool is commonly used to analyze the "Bargaining Power of Suppliers"? What role does IT play in understanding the "Bargaining Power of Buyers"? How can a company use IT to monitor the "Threat of Substitute Products"? Which IT strategy is often used to gain insights into "Rivalry among Existing Competitors"? In what way can IT enhance competitive analysis in a company? How does IT assist in managing "Rivalry among Existing Competitors"? <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> Competitive Intelligence Strategy Objective: Develop a competitive intelligence strategy using Porter's model and IT tools. Instructions: |



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| | <ul style="list-style-type: none">○ Scenario: Assume you are a business analyst for a company in a highly competitive market.○ Task: Draft a brief strategy outlining how you would use IT to gather competitive intelligence and address each of Porter's five forces. |
| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: http://contents.kocw.or.kr/document/ch12_17.pdf3. Original Paper on Porter's Competitive force model and IT-Competitive Intelligence https://www.researchgate.net/publication/226349758_IT_and_Porter's_Competitive_Forces_Model_and_Strategies4. Homework Search news articles or reports related to Porter's Competitive force model and IT-Competitive Intelligence.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://corporatefinanceinstitute.com/resources/management/competitive-forces-model/</p> <p>https://www.investopedia.com/terms/p/porter.asp</p> <p>https://www.mindtools.com/at7k8my/porter-s-five-forces</p> <p>YouTube Video: - https://study.com/learn/lesson/video/porters-five-forces.html</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What are the five forces in Porter's Competitive Forces Model?2. How does the threat of new entrants affect industry competition?3. What is the significance of barriers to entry in Porter's model? |



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| Lesson Plan No. 3.3 | Course Name: Foundation of IT Topic: Strategic Information systems | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understand the concept of different response Strategic systems b. Understanding of response strategies in competitive force c. Discuss different examples of strategic system |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• Introduction of strategic system• Explain DSS.• Explain TPS.• Explain EIS.• Benefit of implementing a Strategic Information System?• Explain Management Information System (MIS) support an organization? 2. Development (30 minutes) <ul style="list-style-type: none">• Name one type of SIS used for decision-making support.• What does an Executive Information System (EIS) primarily provide?• What type of SIS would be used to manage day-to-day operations?• In what way can Strategic Information Systems impact competitive advantage?• Discuss examples of strategic information system- Dial up Coca cola, ibm.com• Which component of SIS involves managing business processes? 3. Exercise (5 minutes) – <ul style="list-style-type: none">• Presentation and Discussion• Objective: Share and discuss group strategies.<ul style="list-style-type: none">○ Activity: Group Presentations: Each group presents their SIS strategy (3 minutes per group).○ Discussion: Facilitate a discussion on the different strategies, |



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| | their feasibility, and alignment with strategic goals. |
| Closure | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: http://contents.kocw.or.kr/document/ch12_17.pdf</p> <p>3. Original Paper on Strategic Information system: https://www.sciencedirect.com/topics/computer-science/strategic-information-systems</p> <p>4. Homework Search news articles or reports related to Strategic Information System</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://sis.binus.ac.id/2020/12/08/strategic-of-information-system/ https://www.investopedia.com/terms/p/porter.asp https://www.smartosc.com/strategic-information-systems-how-to-compete-in-the-digital-age/ https://www.mbaknol.com/management-information-systems/strategic-information-systems/</p> <p>YouTube Video: https://www.google.com/search?sca_esv=fa70f7cd442e3964&sca_upv=1&q=+strategic+information+systems&tbm=vid&source=lnms&fbs=AEQNm0DPvcmG_nCbmwtBO9j6YBzM68ZanC7g01Skprhw5JoufbCK1nGzScVrgK3HSlrjNu6plNP03ZWuAbxABvYcOgcrxfyLKP90TI7ddJSOKqiK6tH7okCSOtAvUPF-BJHLiRHhZEd8-NeQ72ZVvYYQC_UYoxUIN7HwIzY4nrxQa9S_SILHoXS4ZmjH4QzOBH5WsqPHhJj3iTMnkI8X_xkf5qPuCPTVQ&sa=X&sqi=2&ved=2ahUKEwiz3MySoc6HAXXBQ2cHHbjfAi0Q0pQJegQIERAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:b46ff12b,vid:hSaI5NAjvE4,st:0</p> |
| Evaluation | Reflective Questions (What, why, Who?). Allow students to answer. Reflective Questions: |



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| | <ol style="list-style-type: none">1. What is a strategic information system (SIS)?2. How do strategic information systems differ from operational information systems?3. What is an example of an SIS? |
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| Lesson Plan No. 3.4 | Course Name: Foundation of IT Topic: Ineffective organisations in the information age | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understand the concept of ineffective Organization Structure Understanding of how IT affected Organization structure Discuss Role of IT in modern Organization |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What is a key characteristic of an ineffective organization? Discuss in brief ineffective organization Structure Characteristics of Ineffective Organizations <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> How has the information age impacted organizational efficiency? What issue can arise from the ineffective use of technology in an organization? Discuss how organization is affected by IT What strategy can help an organization address poor internal communication? Name a real-world example of an organization struggling with information age challenges. What is one impact of the information age on cyber security in organization? <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> Scenario Analysis Divide students into small groups. Provide each group with a scenario describing an ineffective organization facing specific challenges in the information age. Example scenarios could include issues like poor data management, outdated technology, or resistance to change. Example Scenario: "Company X has been experiencing a significant |



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| | <p>decline in productivity due to outdated technology and poor internal communication. Employees are struggling with slow systems, and there is frequent miscommunication about project updates."</p> |
| Closure | <ol style="list-style-type: none"> 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. 2. Suggested Reading: http://contents.kocw.or.kr/document/ch12_17.pdf 3. Original Paper on Strategic Information system: https://www.researchgate.net/publication/330937679_Increasing_Productivity_in_the_Information_Age 4. Homework Search news articles or reports related to ineffective Organization Structure. 5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.intechopen.com/chapters/72534</p> <p>https://www.systems-x.com/blog/technology-challenges-businesses-face</p> <p>https://www.quora.com/What-are-the-disadvantages-of-the-new-information-age</p> <p>https://www.mbaknol.com/management-information-systems/strategic-information-systems/</p> <p>YouTube Video: https://www.google.com/search?sca_esv=fa70f7cd442e3964&sca_upv=1&q=Ineffective+organisations+in+the+information+age&tbm=vid&source=lnms&fbs=AEQNm0CRraR4AFMOJtZDUPiZk_hDEGW7EwGJ8ltzg0fUf3C5Xd1mhrcmUZ_z_Gw36zS3CIPG8xCRAefxrRYeluhQGyKyJmlTO0zgFWYJ90EHfF9J0C9TxZw9GSEMucDwobS1Kn7CvbpdrqSuB9i9sRMNuzwOPGMZJaTGds-9WuvfyoQdaGBXltLW8p7OkrLqC2iIPN4_U-tdIEGb1Z4ergQNfTdQudlkyw&sa=X&ved=2ahUKEwJc0cvEu86HAXVdVWwGHdWmG6cQ0pQJegQIDBAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:697a5d24,vid:d9-bwBS1QpU,st:0</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> |



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Reflective Questions:

1. What are common signs of an ineffective organization in the information age?
2. What impact does a lack of digital transformation have on organizational effectiveness?
3. In what ways can ineffective use of technology impact customer satisfaction?



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| Lesson Plan No. 3.5 | Course Name: Foundation of IT Topic: Strategic Information System- Sustainable Competitive Advantages | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understand the concept of Sustainable Competitive advantages b. Understanding Factors that Go into Sustaining Competitive Advantage |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What is Competitive advantage• What is a sustainable competitive advantage?• Define Cost Leadership.• Different criteria for Sustainability 2. Development (30 minutes) <ul style="list-style-type: none">• Name one type of competitive advantage and give an example. Cost Leadership: Wal-Mart , Differentiation: Tesla, Focus: Rolex• What are the four criteria for a competitive advantage to be considered sustainable?• Which criterion determines if a competitive advantage is rare among competitors?• Example of a company that uses differentiation as a competitive advantage?• Name one factor that could threaten the sustainability of a competitive advantage. 3. Exercise (5 minutes) – <ul style="list-style-type: none">• Group Discussion• Share Insights: Have each student or group share their analysis with the class. They should explain:<ul style="list-style-type: none">▪ The type of competitive advantage the company uses▪ How the company meets the sustainability criteria |



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| | <ul style="list-style-type: none">▪ Any risks or challenges the company faces and how they could be addressed• Class Discussion:<ul style="list-style-type: none">○ Facilitate a discussion on the different approaches to maintaining sustainable competitive advantages and how companies can adapt to changes in the market |
| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: http://contents.kocw.or.kr/document/ch12_17.pdf3. Original Paper on Strategic Information system: https://www.sciencedirect.com/science/article/pii/S03787206869001084. Homework Search news articles or reports related to Sustainable Competitive advantages.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://planningtank.com/computer-applications/strategic-information-system</p> <p>https://hbr.org/1985/07/how-information-gives-you-competitive-advantage</p> <p>https://pdfs.semanticscholar.org/8059/ad51063c06817675194fc9eca751a292d6a0.pdf</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What is a sustainable competitive advantage in the context of strategic Information systems?2. What are some examples of strategic information systems?3. What is the impact of digital transformation on an organization's? |

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| Lesson Plan No. 3.6 | Course Name: Foundation of IT Topic: Business Process Reengineering | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understand the concept of Business Process Reengineering Understanding the need of Organization Change Discuss Principle of BPR BPR- enabling Role of IT |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What is Business Process Reengineering (BPR)? The outcomes and benefits Explain the Principles of BPR <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> Explain in detail about BPR Name one key principle of BPR What is the first step in the BPR process? Why is technology important in BPR? Name a benefit of successful BPR implementation. What distinguishes BPR from continuous improvement? Explain the need of Organization Change. What should be measured after BPR implementation to ensure success? Discuss BPR- enabling role of IT Need of Integration <p>3. Exercise (5 minutes) –</p> <p>Brainstorming Activity :</p> <p>Objective: Quickly apply BPR principles to improve a common process.</p> <p><input type="checkbox"/> Process to Improve: Returning an item to a store.</p> <p><input type="checkbox"/> Task: In pairs or small groups, brainstorm ways to redesign this process to</p> |



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| | <p>make it faster and more efficient. Think about technology and process changes.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Share: Share one key improvement idea with the class. <input type="checkbox"/> Connection: Discuss how the proposed changes reflect BPR principles like radical redesign and process focus. |
| <p>Closure</p> | <ol style="list-style-type: none"> 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. 2. Suggested Reading: https://www.researchgate.net/publication/222501108_Business_Process_Reengineering_A_review_of_recent_literature 3. Original Paper on Strategic Information system: https://www.sciencedirect.com/science/article/pii/0378720686900108 4. Homework Search news articles or reports related to Sustainable Competitive advantages. 5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.geeksforgeeks.org/introduction-to-business-process-re-engineering/</p> <p>https://www.techtarget.com/searchcio/definition/business-process-reengineering</p> <p>https://www.ibm.com/blog/business-process-reengineering-examples/</p> <p>https://kissflow.com/workflow/bpm/business-process-reengineering-bpr/</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=600dabd129a0d515&sca_upv=1&q=business+process+reengineering&tbm=vid&source=lnms&fbs=AEQNm0BKxFXqFZETuC92mLOmXO9xTuw17LTqpjEikSHB2sNnAo_Nt6_jBoO5j_EG4ZXs8aQCufxT5WhqKxk_t3EFVMM67rI6i01ADbZ-a5wYaAsalDcO6S1GH-LO2-BpNO0GjKIvvoXnjP08V8RmhXnS3ZTYi7mGxclhyNM7kU-cEZojmfYb66zxZupqQ3TpTT-qjAIet1CwlZuUTZOKSe8wS1nEmI6w&sa=X&sqi=2&ved=2ahUKEwi50K</p> |



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| | nTw86HAXUmcGwGHbXbANAQ0pQJegQIDRAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:5669ac0f,vid:o51UEwQN-Rs,st:0 |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What is Business Process Reengineering (BPR)?2. What are the main goals of BPR?3. What role does technology play in BPR?4. Name a common challenge in BPR implementation. |



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| Lesson Plan No. 3.7 | Course Name: Foundation of IT Topic: Virtual Corporations and Information Technologies. | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understand the concept of Virtual corporation b. Understanding of different characteristics of Virtual Corporation c. Discuss how IT supports VC |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What defines a virtual corporation?• Define communication and collaboration.• Explain data management. 2. Development (30 minutes) <ul style="list-style-type: none">• Name two key technologies used for communication in virtual corporations.• Explain the different characteristics of VC.• How does cloud storage benefit a virtual corporation?• What is one major advantage of operating as a virtual corporation?• Identify a challenge commonly faced by virtual corporations.• How can virtual corporations ensure data security?• Drawback of relying heavily on remote collaboration tools.• Explain how information technologies facilitate virtual corporations 3. Exercise (5 minutes) – <ul style="list-style-type: none">• "Virtual Corporation Strategy"<ol style="list-style-type: none">1. Objective: Develop a brief plan for transitioning a traditional business to a virtual corporation using information technologies.2. Instructions<ul style="list-style-type: none">○ Scenario: A traditional retail company wants to transition to a virtual corporation model to reduce overhead costs and increase flexibility. The company currently has a physical |



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| | <p>store and administrative office.</p> <ul style="list-style-type: none"> ○ Task: In pairs or small groups, create a brief strategy outlining: <ul style="list-style-type: none"> ▪ Key Technologies, Process Changes ,Challenge and Solution <p>3. Share:</p> <ul style="list-style-type: none"> ○ After 5 minutes, each group will briefly present their strategy to the class. |
| <p>Closure</p> | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading:</p> <p>https://www.indeed.com/career-advice/career-development/virtual-organization</p> <p>3. Original Paper on Strategic Information system:</p> <p>https://proceedings.informingscience.org/IS2002Proceedings/papers/bobek209Infor.pdf</p> <p>4. Homework</p> <p>Search news articles or reports related to Sustainable Competitive advantages.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://www.skyrme.com/insights/2virtorg.htm</p> <p>https://www.linkedin.com/pulse/10-critical-factors-creating-effective-virtual-tawana/</p> <p>https://academic.oup.com/book/2413/chapter-abstract/142633066?redirectedFrom=fulltext</p> <p>https://www.sciencedirect.com/science/article/abs/pii/S0167923698000372</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=600dabd129a0d515&sca_upv=1&q=:+Virtual+Corporations+and+Information+Technologies.&tbm=vid&source=lnms&fbs=AEQNm0CRraR4AFMOJtZDUPiZk_hDEGW7EwGJ8ltzg0fUf3C5Xd1mhrcmUZ_z_Gw36zS3CIPG8xCRAefxrRYeluhQGyKyJmlTO0zgFWYJ90EHfF9JOC9TxZw9GSEMucDwobS1Kn7CvbpdrQsuB9i9sRMNuzwOPGMZJaTGds-9WuvfyoQdaGBXltLW8p7OkrLqC2iIPN4_U-tIdIEGblZ4ergQNfTdQuDlkwy&sa=X&ved=2ahUKEwjLlaaGx86HAXUIS2</p> |



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| | wGHY6TFOUQ0pQJegQIEhAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:b9f5f01a,vid:qcgjWvVMPi0,st:0 |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1. What is a virtual corporation?2. What are the primary benefits of operating as a virtual corporation?3. What are common challenges faced by virtual corporations in terms of IT infrastructure?4. Example of a company that operates as a virtual corporation. |



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| Lesson Plan No. 4.1 | Course Name: Introduction to IT Topic: Implementing IT: Ethics, Impact and Security-Introduction | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Discuss about IT and Society b. Understanding of disaster recovery plans c. Discuss some case studies |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What is the impact of IT in society?• What is the primary goal of IT ethics?• Identify basic security principles and their importance in IT implementation• Explain the importance of these topics in the context of modern technology and its implementation 2. Development (30 minutes) <ul style="list-style-type: none">• Explain in detail the impact of IT in society• Explain disaster recovery plan with case study• Discuss case: Music Retailer Finds Commerce in Communities• Discuss about Ethics 3. Exercise (5 minutes) – <ul style="list-style-type: none">• Role-Playing• Each group reads their scenario and assigns roles within the group (e.g., IT manager, data analyst, CEO, customer).• Groups discuss the scenario from their assigned roles, considering:<ul style="list-style-type: none">○ Ethical Considerations: What are the ethical issues involved? What principles should guide their decisions?○ Impact Analysis: How will their decision affect different stakeholders (customers, employees, society)?○ Security Implications: What security measures should be |



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| | taken to address the situation? |
| Closure | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: https://www.geeksforgeeks.org/ethical-issues-in-information-technology-it/</p> <p>3. Original Paper on Implementing IT: https://www.researchgate.net/publication/237344283_Information_Security_and_Ethics_Concepts_Methodologies_Tools_and_Applications</p> <p>4. Homework Search news articles or reports related to Implementing IT.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://online.marquette.edu/stem/blog/ethics-and-security-in-information-technology https://sis.binus.ac.id/2022/02/25/ethics-privacy-and-information-security/ https://reciprocity.com/the-importance-of-ethics-in-information-security/</p> <p>YouTube Video: https://www.google.com/search?sca_esv=70d40dc007ec4b6e&sca_upv=1&q=Implementing+IT:+Ethics,+Impact+and+Security-Introduction&tbm=vid&source=lnms&fbs=AEQNm0DPvcmG_nCbmwtBO9j6YBzM68ZanC7g01Skprhw5JoufbCK1nGzScVrgK3HSIrlNu6plNP03ZWuAbxABvYcOgcrexfyLKP90TI7ddJSOKqiK6tH7okCSOtAvUPF-BJHLiRHhZEd8-NeQ72ZVvYYQC_UYoxUIN7HwIzY4nrxQa9S_SILHoXS4ZmjH4QzOBH5WsqPHhJj3iTMnkI8X_xkf5qPuCPTVQ&sa=X&ved=2ahUKEwiWh4CThdiHAXWwqFYBHbe1KmQQ0pQJegQIDxAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:6b56b2f4,vid:b2SoQwjB9VU,st:0</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> |



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| | <ol style="list-style-type: none">1 What is the primary goal of IT ethics?2. Why is it important to consider the ethical implications of new technologies?3. Why should organizations assess the social impact of their IT systems?? |
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| Lesson Plan No. 4.2 | Course Name: Introduction to IT Topic: Ethical Issues ,Privacy policy Guidelines, Protecting Intellectual Property | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> a. Understanding of Privacy Policy Guidelines b. Understanding of Intellectual property c. Understanding about protecting Intellectual property |
| Teaching Aids (if any) | <ol style="list-style-type: none"> 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> • Ask questions • What is Privacy policy meant for? • What do you mean by Intellectual property? • Briefly introduce the topics of ethical issues, privacy policies, and intellectual property. • Explain the relevance of these topics in IT and business contexts. <p>2.Development (30 minutes)</p> <ul style="list-style-type: none"> • Explain in detail about privacy policy • Explain the Intellectual property • Discuss about protecting Intellectual Property • How to protect IP overseas? • Explain what intellectual property is and its types. • Discuss best practices for drafting clear and comprehensive privacy policies <p>3.Exercise (5 minutes) –</p> <ul style="list-style-type: none"> • Group Analysis : Divide students into groups to analyze the case study, focusing on: <ul style="list-style-type: none"> ○ Ethical considerations and decisions. ○ Privacy policy implications and recommendations. |



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| | <ul style="list-style-type: none">○ IP protection strategies and enforcement. |
| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: http://web.simmons.edu/~chen/nit/NIT'96/96-025-Britz.html3. Original Paper on Privacy policy Guidelines: https://www.researchgate.net/publication/264734575_Ethical_Issues_Surrounding_Intellectual_Property_Rights4. Homework Search news articles or reports related to Privacy policy Guidelines.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.isaca.org/resources/isaca-journal/issues/2016/volume-6/an-ethical-approach-to-data-privacy-protection</p> <p>https://sis.binus.ac.id/2022/02/25/ethics-privacy-and-information-security/</p> <p>https://reciprocity.com/the-importance-of-ethics-in-information-security/</p> <p>https://guides.library.iit.edu/c.php?g=474695&p=3248753</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1 What is the primary goal of IT ethics?2. Why is it important to consider the ethical implications of new technologies?3. Why should organizations assess the social impact of their IT systems?? |



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| Lesson Plan No. 4.3 | Course Name: Introduction to IT Topic: Impacts of IT on Jobs and organisation | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none">Understanding of impact of IT on JobsUnderstanding of IT has impact on Organization changeUnderstanding about Job changes |
| Teaching Aids (if any) | <ol style="list-style-type: none">Power Point PresentationOnline contentsBlackboardYouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none">Ask questionsHow has IT transformed job roles and responsibilities?How has IT automation impacted the jobs?Briefly introduce the topics of IT's impact on jobs and organizations.Explain the relevance of these topics in understanding modern business environments. <p>2. Development (30 minutes)</p> <ul style="list-style-type: none">Explain in detail the impact of IT on jobsHow has e-commerce IT affected retail job roles?Discuss-Technology has gone through a lot of changes in jobs?Examine how IT changes the nature of existing jobs, requiring new skills and competencies. <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none">Case Study: Impact on EmploymentExample: Analyze a case study of a company or industry significantly affected by IT, such as retail (e.g., Amazon's impact on traditional retail jobs).Activity: Group analysis of the case study, focusing on job displacement and creation. |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. |



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| | <p>2. Suggested Reading:</p> <p>https://timesofindia.indiatimes.com/readersblog/thedailyyou/impact-of-technology-on-jobs-34778/</p> <p>3. Original Paper on impact of IT on Jobs:</p> <p>https://link.springer.com/chapter/10.1007/978-1-4899-3536-6_13</p> <p>4. Homework</p> <p>Search news articles or reports related to impact of IT on Jobs.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://prepinsta.com/interview-preparation/group-discussion-questions/impact-of-technology-on-jobs/</p> <p>https://www.linkedin.com/pulse/impact-technology-job-market-opportunities-challenges-watson/</p> <p>https://www.buchanan.com/benefits-technology-workplace/</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=70d40dc007ec4b6e&sca_upv=1&q=Impacts+of+IT+on+Jobs+and+organisation&tbm=vid&source=lnms&fbs=AEQNm0Aa4sjWe7Rqy32pFwRj0UkWMsfQD7WCPyiYA6ksw1JggSMY45Yfl-R8Fjyi6BeertZ78jGnIRp3czOw1dGdRfpzER3f-XpwHMhZWO6CF7K42bp3BIbIBN0iDsFjnx5uNexOHgBt0yIWZHt7NYMSE3CI9m1V3UjEUKIoTaXrzuG7M-2slZBe1N7CFfMg7exyeBQCCx207BdzbrrraMBIq3MZzLjJjA&sa=X&ved=2ahUKEwj-6O6i9iHAXV1SGcHHQ2SGFEQ0pQJegQIExAB&biw=1093&bih=513&dp r=1.25#fpstate=ive&vld=cid:3954d0c2,vid:dNOKzNmWiqg,st:0</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1 What is one effect of IT on customer service roles?2. How has e-commerce IT affected retail job roles?3. What new job roles have emerged due to cloud computing? |

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| Lesson Plan No. 4.4 | Course Name: Introduction to IT Topic: Impact on Individuals at work | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understanding of impact of IT on Individuals Understanding of IT has impact on health Understanding about IT effect on society |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What is IT changing individuals' life? Briefly introduce the topic: how IT impacts individuals at work. Explain the importance of understanding these impacts in the modern work environment. <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> Explain in detail impact of IT on individuals related to work Explain-Will my Job be Eliminated- A thinking Discuss-Impact of IT on health and society Discuss how IT tools (e.g., productivity software, collaboration tools) can improve work efficiency and productivity. <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> Presentation and Feedback Each group presents their strategies and solutions. Facilitate a class discussion on common themes and innovative ideas. |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. |



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| | <p>2. Suggested Reading:</p> <p>https://www.quora.com/What-is-the-effect-of-an-individual-to-an-organization</p> <p>3. Original Paper on impact of IT on individuals work:</p> <p>https://www.researchgate.net/publication/350650900_The_Impact_of_Individual_Work_Practices_Social_Environment_Management_Skills_on_Workers'_Productivity_Mediating_Role_of_International_Work_Experience</p> <p>4. Homework</p> <p>Search news articles or reports related to impact of IT on individuals work.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://www.linkedin.com/pulse/how-work-life-balance-can-impact-individuals-asad-ullah/</p> <p>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9136218/</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=70d40dc007ec4b6e&sca_upv=1&q=Impact+on+Individuals+at+work&tbm=vid&source=lnms&fbs=AEQNm0CRraR4AFMOJtZDUPiZk_hDEGW7EwGJ8ltzg0fUf3C5Xd1mhrcmUZ_zGw36zS3CIPG8xCRAefxrRYeluhQGyKyJmlTO0zgFWYJ90EHfF9J0C9TxZw9GSEMucDwobS1Kn7CvbpdrQsSuB9i9sRMNuzwOPGMZJaTGds-9WuvfyoQdaGBXltLW8p7OkrLqC2iIPN4_U-tdIEGb1Z4ergQNfTdqUdIkyw&sa=X&ved=2ahUKEwjv7cKTkdiHAXUoS WwGHTd8AgQQ0pQJegQIFBAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:997a8594,vid:IUiaGR-ZJ3A,st:0</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none"> 1 What impact does IT have on personal productivity? 2. What's the effect of automation on job tasks? 3. What's the role of IT in continuous learning? |

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| Lesson Plan No. 4.4 | Course Name: Introduction to IT Topic: Impact on Individuals at work | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understanding of impact of IT on Individuals Understanding of IT has impact on health Understanding about IT effect on society |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What is IT changing individuals' life? Explore the impact of IT on remote work, telecommuting, and flexible work arrangements. Benefits and challenges of remote work, effects on work-life balance <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> Explain in detail impact of IT on individuals related to work Explain-Will my Job be Eliminated- A thinking Discuss-Impact of IT on health and society Examine how IT tools and systems affect job satisfaction and engagement. <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> Case Study: IT and Work Experience Example: Analyze a case study of a company or organization that implemented IT solutions affecting employees' work experiences. Activity: Group analysis of the case study, focusing on changes in work practices and employee feedback. |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. |



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| | <p>2. Suggested Reading:</p> <p>https://www.quora.com/What-is-the-effect-of-an-individual-to-an-organization</p> <p>3. Original Paper on impact of IT on Jobs:</p> <p>https://www.researchgate.net/publication/350650900_The_Impact_of_Individual_Work_Practices_Social_Environment_Management_Skills_on_Workers'_Productivity_Mediating_Role_of_International_Work_Experience</p> <p>4. Homework</p> <p>Search news articles or reports related to impact of IT on individuals work.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://www.linkedin.com/pulse/how-work-life-balance-can-impact-individuals-asad-ullah/</p> <p>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9136218/</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=70d40dc007ec4b6e&sca_upv=1&q=Impact+on+Individuals+at+work&tbm=vid&source=lnms&fbs=AEQNm0CRraR4AFMOJtZDUPiZk_hDEGW7EwGJ8ltzg0fUf3C5Xd1mhrcmUZ_z_Gw36zS3CIPG8xCRAefxrRYeluhQGyKyJmlTO0zgFWYJ90EHff9J0C9TxZw9GSEMucDwobS1Kn7CvbpdrQsuB9i9sRMNuzwOPGMZJaTGds-9WuvfyoQdaGBXltLW8p7OkrLqC2iIPN4_U-tdIEGb1Z4ergQNfTdqUdlkyw&sa=X&ved=2ahUKEwjv7cKTkdiHAXUoS WwGHTd8AgQQ0pQJegQIFBAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:997a8594,vid:IUiaGR-ZJ3A,st:0</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1 What impact does IT have on personal productivity?2. What's the effect of automation on job tasks?3. What's the role of IT in continuous learning? |



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| Lesson Plan No. 4.6 | Course Name: Introduction to IT Topic: Societal Impacts and internet communities- Telecommuting | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understanding of Telecommunicating b. Understanding of Telecommunicating benefits and challenges c. Explore how telecommuting affects internet communities and social interactions. |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What do you mean by Telecommunicating?• Briefly introduce the topic: the societal impacts of telecommuting and its effects on internet communities.• Explain the relevance of understanding these impacts in today's increasingly remote work environment. 2. Development (30 minutes) <ul style="list-style-type: none">• Explain in detail Telecommunicating• Explain–Its benefits• Discuss–challenges of telecommunicating• Discuss -Telecommuting and Productivity• Explore how telecommuting can affect work-life balance, including both positive aspects (e.g., flexible scheduling) and challenges (e.g., boundary management). 3. Exercise (5 minutes) – <ul style="list-style-type: none">• Ask students to think about a single aspect of telecommuting and its impact on their work or daily life. You can provide options such as: <ul style="list-style-type: none">• Work-Life Balance: How has telecommuting affected your ability to balance work and personal life?• Productivity: Has working remotely changed your productivity levels? If so, how? |



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| | <ul style="list-style-type: none">• Social Interaction: How has telecommuting impacted your interactions with colleagues and your sense of belonging? |
| Closure | <ol style="list-style-type: none">1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.2. Suggested Reading: https://www.techtarget.com/searchmobilecomputing/definition/telecommuting3. Original Paper on impact on Societal Impacts and internet communities: https://www.sciencedirect.com/science/article/abs/pii/S07475632210047264. Homework Search news articles or reports related to impact on Societal Impacts and internet communities.5. Spend 5 minutes to wrap up and consolidate the learning's <p>References:</p> <p>https://www.asyncagile.org/blog/the-social-impact-of-remote-work</p> <p>https://ivypanda.com/essays/social-effects-of-telecommuting/</p> <p>https://www.techbusinessnews.com.au/blog/impact-of-the-internet-on-modern-society/</p> <p>https://www.cs.cmu.edu/~kiesler/publications/1998pdfs/1998_social-impact-internet-mean.pdf</p> <p>YouTube Video: https://study.com/academy/lesson/video/what-is-telecommuting-definition-advantages-disadvantages.html</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1 What effect does telecommuting have on work-life balance?2. What is the privacy concerns associated with telecommuting?3. What impact does telecommuting have on local economies? |

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| Lesson Plan No. 4.7 | Course Name: Introduction to IT Topic: Security Issues | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ul style="list-style-type: none"> a. Understanding of Security b. Understanding of Security issues c. Understanding of security threats to information system |
| Teaching Aids (if any) | <ol style="list-style-type: none"> 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> • Ask questions • What do you mean by Security Issues in IT? • Introduce the topic of IT security and its importance. • Explain the relevance of understanding security issues in the modern digital landscape. <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> • Explain in detail Security Issues • Explain–different Security threats to information system • Discuss-Computer crime • Discuss common threats such as malware, phishing, ransom ware, and insider threats. • Discuss the impact of security breaches on organizations, including financial losses, reputational damage, and legal consequences. <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> • Quick Security Tips Brainstorm • Activity: Ask students to quickly brainstorm and write down one security tip they think is important (e.g., "Enable two-factor authentication"). • Sharing: Have a few students share their tips with the class. • Discussion: Summarize the tips shared and discuss their importance. |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from |



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| | <p>Students on these.</p> <p>2. Suggested Reading:</p> <p>https://www.geeksforgeeks.org/threats-to-information-security/</p> <p>3. Original Paper on Security Issues:</p> <p>https://ieeexplore.ieee.org/document/9673270</p> <p>4. Homework</p> <p>Search news articles or reports related to Security Issues.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://courses.lumenlearning.com/wm-introductiontobusiness/chapter/reading-security-issues-in-electronic-communication/</p> <p>https://www.cisco.com/c/en/us/products/security/what-is-it-security.html</p> <p>https://www.techtarget.com/searchsecurity/feature/Top-10-types-of-information-security-threats-for-IT-teams</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=4bcde7449ad34762&sca_upv=1&q=Security+Issues+in+IT&tbm=vid&source=Inms&fbs=AEQNm0DPvcmG_nCbmwtBO9j6YBzM68ZanC7g01Skprhw5JoufbCK1nGzScVrgK3HSlrjNu6pINP03ZWuAbxABvYcOgcrxfyLKP90TI7ddJSOKqiK6tH7okCSOtAvUPF-BJHLiRHhZEd8-NeQ72ZVvYYQC_UYoxUIN7HwLzY4nrxQa9S_SILHoXS4ZmjH4QzOBH5WsqPHhJj3iTmnl8X_xkf5qPuCPTVQ&sa=X&ved=2ahUKEwjxzP2NrdiHAXWuqFYBHbpwM2wQ0pQJegQIFBAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:80e7f847,vid:X8CbzPFa-dY,st:0</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none"> 1 What role do firewalls play in network security? 2. What is two-factor authentication? 3. How does encryption protect data? |

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| Lesson Plan No. 4.8 | Course Name: Introduction to IT Topic: Security Issues and challenges | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understanding of Security challenges Understanding of protecting Information system Understanding of different ways of protecting information system |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What do you mean by security attack? Introduce the topic of security issues and challenges in IT. Explain why understanding these challenges are crucial for maintaining robust security. <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> Explain in detail Security challenges in different areas Explain–how to protect Information system Discuss– different ways to Protect the system Facilitate a discussion on how these issues affect organizations and individuals. Discuss the challenge of staying ahead of constantly evolving threats and attack vectors. <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> Develop a Security Strategy Scenario: Provide a hypothetical organization with security issues. Activity: In groups, students develop a brief security strategy to address the issues and challenges. |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. |



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| | <p>2. Suggested Reading:</p> <p>https://www.geeksforgeeks.org/computer-security-and-its-challenges/</p> <p>3. Original Paper on Security challenges:</p> <p>https://ieeexplore.ieee.org/document/9673270</p> <p>4. Homework</p> <p>Search news articles or reports related to Security challenges.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://courses.lumenlearning.com/wm-introductiontobusiness/chapter/reading-security-issues-in-electronic-communication/</p> <p>https://www.cisco.com/c/en/us/products/security/what-is-it-security.html</p> <p>https://www.techtarget.com/searchsecurity/feature/Top-10-types-of-information-security-threats-for-IT-teams</p> <p>https://www.javatpoint.com/cyber-security-challenges</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=4bcde7449ad34762&sca_upv=1&q=Security+Issues+and+challenges&tbm=vid&source=lnms&fbs=AEQNm0CRraR4AFMOJtZDUPiZk_hDEGW7EwGJ8ltzg0fUf3C5Xd1mhrcmUZ_z_Gw36zS3CIPG8xCRAefxrRYeluhQGyKyJmlTO0zgFWYJ90EHfF9J0C9TxZw9GSEMucDwobS1Kn7CvbpdrqSuB9i9sRMNuzwOPGMZJaTGds-9WuvfyoQdaGBXltLW8p7OkrLqC2iIPN4_UtdIEGb1Z4ergQNfTdQuDlkYw&sa=X&ved=2ahUKEwiy76KCs9iHAXUjd2wGHbHqNSYQ0pQJegQIExAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:80e7f847,vid:X8CbzPFa-dY,st:0</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1 What is security vulnerability?2. What is a security breach?3. What is the significance of regular software updates for security? |



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| Lesson Plan No. 5.1 | Course Name: Introduction to IT Topic: Emerging trends and Applications in IT: Internet of Things (IOT) | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understand the basic concepts of IOT. b. Understand the importance of Internet of Things. c. Business in IOT. |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What is IOT?• Introduce the concept of IoT referring to the world of smartest.• Why is the Internet of Things (IoT) so important?• What is the Key Features of IOT?• Explain the Emerging trends of IoT.• Discuss the applications of IOT.• How it helps in business sector 2. Development (30 minutes) <ul style="list-style-type: none">• Introduce the points mentioning the features of Internet of Things• Explain the importance of Internet of Things briefly• Explain in detail the significance of IOT.• Advantages and Disadvantages of Internet of Things.• How Does IOT Affect Business?• Explain IOT enabled warehouse system.• Discuss how IoT applied to government sector. 3. Exercise (5 minutes) – <ul style="list-style-type: none">• Quiz related to topic given to students to solve through Google form• Impact of IOT in business world to be discussed with students |



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| | Question and answer round related to topic responses and discuss the answers. |
| Closure | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: https://aws.amazon.com/what-is/iot/</p> <p>3. Original Paper on IOT: https://www.researchgate.net/publication/320532203_Internet_of_Things_IoT_Definitions_Challenges_and_Recent_Research_Directions</p> <p>4. Homework Search news articles or reports related to Internet of Things.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://www.coursera.org/in/articles/internet-of-things https://www.techtarget.com/iotagenda/definition/Internet-of-Things-IoT https://www.oracle.com/in/internet-of-things/ https://www.ibm.com/topics/internet-of-things</p> <p>YouTube Video: https://www.google.com/search?sca_esv=4bcde7449ad34762&sca_upv=1&q=Internet+of+Things+(IOT)&tbm=vid&source=lnms&fbs=AEQNm0DPvcmG_nCbmwtBO9j6YBzM68ZanC7g01Skprhw5JoufbCK1nGzScVrgK3HSlrjNu6plNP03ZWuAbxABvYcOgcrcxfyLKP90TI7ddJSOKqiK6tH7okCSOtAvUPF-BJHLiRHhZEd8-NeQ72ZVvYYQC_UYoxUIN7HwIzY4nrxQa9S_SILHoXS4ZmjH4QzOBH5WsqPHhJj3iTMnkI8X_xkf5qPuCPTVQ&sa=X&ved=2ahUKEwi3yNX5vNiHAXXfslYBHUWtAcwQ0pQJegQIDhAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:2125849a,vid:4FxU-xpuCww,st:0</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none"> 1 What role does IoT play in smart cities? 2. What is the purpose of IoT sensors? 3. What is a common application of IoT in healthcare? |

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| Lesson Plan No. 5.2 | Course Name: Introduction to IT Topic: Big Data Analytics | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understand the Big Data Analytics. Benefits of Big Data Analytics |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What is big data? Explain Big data Analytics. Why is big data analytics important? Discuss Diagnostics analytics. What are the Descriptive analytics? <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> Describe the various benefits of Big Data Analytics. Explain in detail different types of Big Data Analytics. Why business is using Big data for competitive advantage. How is Hadoop and Big data Analytics. Discuss various tools used in Big Data Analytics. <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> Quiz related to topic given to students to solve through Google form Impact of Big data Analytics in business world to be discussed with students <p>Question and answer round related to topic responses and discuss the answers.</p> |



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| Closure | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: https://www.geeksforgeeks.org/what-is-big-data-analytics/</p> <p>3. Original Paper on Big Data Analytics: https://www.researchgate.net/publication/264555968_Big_Data_Analytics_A_Literature_Review_Paper</p> <p>4. Homework Search news articles or reports related to Big Data Analytics.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://www.tableau.com/learn/articles/big-data-analytics https://www.coursera.org/in/articles/big-data-analytics https://cloud.google.com/learn/what-is-big-data</p> <p>YouTube Video: https://www.google.com/search?sca_esv=672fe15b65dadd14&sca_upv=1&q=big+data+analytics&tbm=vid&source=lnms&fbs=AEQNm0DPvcMG_nCb_mwtBO9j6YBzM68ZanC7g01Skprhw5JoufbCK1nGzScVrgK3HSlrjNu6plNP03ZWuAbxABvYcOgcrxfyLKP90TI7ddJSOKqiK6tH7okCSOtAvUPF-BJHLiRHhZEd8-NeQ72ZVvYYQC_UYoxUIN7HwIzY4nrxQa9S_SILHoXS4ZmjH4QzOBH5WsqPHhJj3iTMnkI8X_xkf5qPuCPTVQ&sa=X&sqi=2&ved=2ahUKEwj78aDIv9iHAXUSRmwGHVWZGukQ0pQJegQIExAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:7cda18ac,vid:h78258SRS9Y,st:0</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1 How does Big Data differ from traditional data?2. What are the benefits of real-time Big Data analytics?3. Why is data quality important in Big Data Analytics? |

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| Lesson Plan No. 5.3 | Course Name: Introduction to IT Topic: Cloud Computing | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> Understand Cloud computing. Various Cloud services. |
| Teaching Aids (if any) | <ol style="list-style-type: none"> Power Point Presentation Online contents Blackboard YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> Ask questions What is Cloud computing? Explain different types of Cloud services. Explain the infrastructure of service? Discuss Hybrid cloud. What are the benefits of cloud computing? <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> Describe the Categories of cloud computing. Explain in detail categories of cloud computing services. Discuss various advantages and disadvantages of cloud computing. Describe the different cloud service models? Discuss various types of cloud computing. <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> Make a report on different service provider of cloud. <p>Question and answer round related to topic responses and discuss the answers.</p> |
| Closure | <ol style="list-style-type: none"> Summarize the Lesson Learning Outcomes and get affirmation from Students on these. Suggested Reading: |



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| | <p>https://aws.amazon.com/what-is-cloud-computing/</p> <p>3. Original Paper on impact of IT on Jobs:</p> <p>https://www.researchgate.net/publication/366320853_A_RESEARCH_ON_CLOUD_COMPUTING</p> <p>4. Homework</p> <p>Search news articles or reports related to Big Data Analytics.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://cloud.google.com/learn/what-is-cloud-computing</p> <p>https://www.ibm.com/topics/cloud-computing</p> <p>https://azure.microsoft.com/en-in/resources/cloud-computing-dictionary/what-is-cloud-computing</p> <p>https://www.techtarget.com/searchcloudcomputing/definition/cloud-computing</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=672fe15b65dadd14&sca_upv=1&q=Cloud+computing&tbm=vid&source=lnms&fbs=AEQNm0AeMNWKf4PpcKMI-eSa16lJoRPMIuyspCxWO6iZW9F1Nu5UXIEfGU2YX1CrW9Nmm9Q3JIJZUqyMsLxos5tPU_UnqJUBrgTTZdMQfghyy8PpT_cHSYt6LsMld2_XK7XZstHHUm7NbU1iDBvtcjuK_h_kqH6Dwz8lr4DOT4zoV4UNRTZJRLFWSjCZOBIUJtMtWYIk3wsZc9KkGx3R7G_Sq--ZicncbQ&sa=X&ved=2ahUKEwiV6bTbxtiHAxX1R2wGHcf4KeoQ0pQJegQICxAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:a4dc86e1,vld:mxT233EdY5c,st:0</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none"> 1 What are the main types of cloud services? 2. What is a cloud service provider? 3. What are the benefits of using cloud storage? |

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| Lesson Plan No. 5.4 | Course Name: Introduction to IT Topic: Artificial Intelligence | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> a. Understand Artificial Intelligence. b. Applications of Artificial Intelligence. |
| Teaching Aids (if any) | <ol style="list-style-type: none"> 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> • Ask questions • What is Artificial Intelligence? • Explain different types of Artificial Intelligence. • What are the advantages of Artificial Intelligence.? • Introduce the topic of AI and its significance in modern technology. • Define AI and discuss its importance and impact on various industries. <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> • List some applications of Artificial Intelligence. • What are the Examples of Artificial Intelligence in real life? • Discuss various goals of Artificial Intelligence. • Discuss AI in Various Industries • Analyze the potential impact of AI on employment and job displacement <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> • AI Application Brainstorm • Instructions: Divide students into small groups. Assign each group an industry and ask them to brainstorm additional AI applications within that industry. • Sharing: Have each group share their ideas with the class. |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from |



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| | <p>Students on these.</p> <p>2. Suggested Reading:</p> <p>https://www.coursera.org/articles/what-is-artificial-intelligence</p> <p>3. Original Paper on Artificial Intelligence:</p> <p>https://www.sciencedirect.com/science/article/pii/S0268401221000761</p> <p>4. Homework</p> <p>Search news articles or reports related to Artificial intelligence.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://www.ibm.com/topics/artificial-intelligence</p> <p>https://www.techtarget.com/searchenterpriseai/definition/AI-Artificial-Intelligence</p> <p>https://www.investopedia.com/terms/a/artificial-intelligence-ai.asp</p> <p>https://www.oracle.com/in/artificial-intelligence/what-is-ai/</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=d8f5977f5ec7a139&sca_upv=1&q=artificial+intelligence&tbm=vid&source=lnms&fbs=AEQNm0CRraR4AFMOJtZDUPiZk_hDEGW7EwGJ8ltzg0fUf3C5Xd1mhrcmUZ_z_Gw36zS3CIPG8xCRAefxrRYeluhQGyKyJmlTO0zgFWYJ90EHfF9J0C9TxZw9GSEMu cDwobS1Kn7CvbpdrQSuB9i9sRMNuzwOPGMZJaTGds-9WuvfyoQdaGBXltLW8p7OkrLqC2iIPN4_U-tdIEGb1Z4ergQNfTdQuDlkyw&sa=X&sqi=2&ved=2ahUKEwjBuaOZg92H AxUKXWwGHVDUHJ4Q0pQJegQIDxAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:390ef780,vid:ad79nYk2keg,st:0</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none"> 1 What is the primary goal of artificial intelligence (AI)? 2. Why is data quality important in training AI models? 3. What is reinforcement learning? |

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| Lesson Plan No. 5.5 | Course Name: Introduction to IT Topic: Virtual and Augmented Reality | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> a. Understand Virtual and Augmented Reality. b. Applications of AR and VR. |
| Teaching Aids (if any) | <ol style="list-style-type: none"> 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none"> • Ask questions • What is Virtual Reality (VR)? • What is Augmented Reality (AR)? • What are the 3 elements of virtual reality? • Explaining their significance and growing importance in technology. <p>2. Development (30 minutes)</p> <ul style="list-style-type: none"> • Difference between Augmented Reality (AR) vs Virtual Reality (VR). • Discuss Examples of Augmented and Virtual Reality in detail. • In which industries VR mostly applied? • What are the benefits of virtual reality? • Discuss VR technology, including VR headsets, motion controllers, and tracking systems. • Explain AR technology, including AR glasses, mobile apps, and spatial computing. <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"> • Quick AR/VR Benefits and Challenges Brainstorm. • Identify and discuss one benefit and one challenge of VR or AR technology. • Ask students to quickly brainstorm and write down or discuss one benefit and one challenge of VR or AR technology. • Highlight key benefits (e.g., immersive experiences, enhanced learning) and challenges (e.g., technical limitations, privacy concerns). |



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| <p>Closure</p> | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: https://www.coursera.org/articles/augmented-reality-vs-virtual-reality</p> <p>3. Original Paper on impact of Virtual and Augmented Reality: https://www.sciencedirect.com/science/article/pii/S2590291123001377</p> <p>4. Homework Search news articles or reports related to VR and AR.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://edu.gcfglobal.org/en/thenow/understanding-virtual-reality-and-augmented-reality/1/ https://sopa.tulane.edu/blog/whats-difference-between-ar-and-vr https://www.pcmag.com/news/augmented-reality-ar-vs-virtual-reality-vr-whats-the-difference https://www.teamviewer.com/en-in/insights/augmented-reality-ar-vs-virtual-reality-vr/</p> <p>YouTube Video: https://www.google.com/search?sca_esv=45c9c91d6ff58283&sca_upv=1&biw=1093&bih=513&q=research+paper+on+Virtual+and+Augmented+Reality&tbm=vid&source=lnms&fbs=AEQNm0AeMnWkF4PpcKMI-eSa16lJoRPMIuyspCxWO6iZW9F1Nu5UXIEfGU2YX1CrW9Nmm9Q3JIJZUqyMsLxos5tPUUnqJUBrgTTZdMQfghyy8PpTcHSYt6LsMld2_XK7XZstHHUm7NbU1iDBvtcjuK_h_kqH6Dwz8lr4DOT4zoV4UNRTZJRLFWSjCZOBIUjMtWYIk3wsZc9KkGx3R7G_Sq--ZicncbQ&sa=X&ved=2ahUKEwjbgJGmjN2HAxVKk1YBHbCtDJsQ0pQJegQIERAB#fpstate=ive&vld=cid:f3ada207,vid:XLP4YTpUpBI,st:0</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer. Reflective Questions:</p> <ol style="list-style-type: none"> 1 What is the primary difference between VR and AR? 2 What are common applications of VR technology? 3. Why is VR considered effective for training simulations? |



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| Lesson Plan No. 5.6 | Course Name: Introduction to IT Topic: IT Governance, Operational risk and governance | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understand IT Governance b. Understand Operational risk and governance. |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What is IT governance?• What are the 3 pillars of IT governance?• What is the role of IT in governance? 2. Development (30 minutes) <ul style="list-style-type: none">• What is Operational risk governance?• What is the Role of Governance in an Operational Risk Framework?• What are the specific tasks of IT Governance and Risk Management?• Discuss how IT governance frameworks help in managing operational risk through policies, procedures, and oversight.• Discuss the objectives of IT governance such as strategic alignment, risk management, resource management, and performance measurement.• Define operational risk and discuss its sources, including processes, systems, people, and external events. 3. Exercise (5 minutes) – Governance Frameworks Quick Quiz Question and answer round related to topic responses and discuss the answers |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. |



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| | <p>2. Suggested Reading:</p> <p>https://in.indeed.com/career-advice/career-development/what-is-it-governance</p> <p>3. Original Paper on impact of IT governance:</p> <p>https://www.sciencedirect.com/science/article/pii/S2590291123001377</p> <p>4. Homework</p> <p>Search news articles or reports related to IT governance.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://www.compassitc.com/blog/understanding-the-key-differences-between-it-governance-compliance</p> <p>https://www.itgovernance.co.uk/erm</p> <p>https://www.servicenow.com/products/governance-risk-and-compliance/what-is-it-governance.html</p> <p>https://virima.com/blog/strengthening-it-governance-and-mitigating-risks-virima-and-ivanti-solutions-for-modern-enterprises</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=45c9c91d6ff58283&sca_upv=1&q=IT+Governance,+Operational+risk+and+governance&tbm=vid&source=lnms&fbs=AEQNm0AeMNWKf4PpcKMI-eSa16lJoRPMIuyspCxWO6iZW9F1Nu5UXIEfGU2YX1CrW9Nmm9Q3JIJZUqyMsLxos5tPU_UnqJUBrgTTZdMQfghyy8PpT_cHSYt6LsMld2_XK7XZstHHUm7NbU1iDBvtcjuK_h_kqH6Dwz8lr4DOT4zoV4UNRTZJRLFWSjCZOBIUJtMtWYIk3wsZc9KkGx3R7G_Sq--ZicncbQ&sa=X&ved=2ahUKEwic6rmAjt2HAxWy7DQHHWP_NeMQ0pQIegQIEBAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:f1c3f501,vid:kBtjYGebT6o,st:0</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1 What are the key components of IT governance?2 What is operational risk?3. Why is transparency important in governance? |



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| Lesson Plan No. 5.7 | Course Name: Introduction to IT Topic: Governance, Governance of internal IT processes, E governance framework | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Briefly explain the importance of governance in both organizational and governmental contexts. b. Present an overview of the key topics: Governance, Governance of Internal IT Processes, and E-Governance Framework. |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Developmen t | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What governance means?• What is the IT governance process?• What is the role of IT in governance?• Introduce the topic of e-governance and its significance in modern public administration. 2. Development (30 minutes) <ul style="list-style-type: none">• Explain in detail E governance framework.• How many evolutionary steps are there in e governance?• Discuss the framework developed by the Indian government to promote digital governance and its key initiatives. 3. Exercise (5 minutes) – <ul style="list-style-type: none">• How a specific organization or government body could improve its governance practices using the concepts learned in this topic. <p>Question and answer round related to topic responses and discuss the answers.</p> |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. |



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| | <p>2. Suggested Reading:</p> <p>https://in.indeed.com/career-advice/career-development/what-is-it-governance</p> <p>3. Original Paper on IT in governance:</p> <p>https://www.sciencedirect.com/science/article/pii/S2590291123001377</p> <p>4. Homework</p> <p>Search news articles or reports related to IT in governance.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://www.compassitc.com/blog/understanding-the-key-differences-between-it-governance-compliance</p> <p>https://www.itgovernance.co.uk/erm</p> <p>https://www.servicenow.com/products/governance-risk-and-compliance/what-is-it-governance.html</p> <p>https://virima.com/blog/strengthening-it-governance-and-mitigating-risks-virima-and-ivanti-solutions-for-modern-enterprises</p> <p>YouTube Video:</p> <p>https://www.google.com/search?sca_esv=45c9c91d6ff58283&sca_upv=1&q=IT+Governance,+Operational+risk+and+governance&tbm=vid&source=lnms&fbs=AEQNm0AeMNWKf4PpcKMI-eSa16lJoRPMIuyspCxWO6iZW9F1Nu5UXIEfGU2YX1CrW9Nmm9Q3JIJZUqyMsLxos5tPU_UnqJUBrgTTZdMQfghyy8PpT_cHSYt6LsMld2_XK7XZstHHUm7NbU1iDBvtcjuK_h_kqH6Dwz8lr4DOT4zoV4UNRTZJRLFWSjCZOBIUJtMtWYIk3wsZc9KkGx3R7G_Sq--ZicncbQ&sa=X&ved=2ahUKEwic6rmAjt2HAxWy7DQHHWP_NeMQ0pQIegQIEBAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:f1c3f501,vid:kBtjYGebT6o,st:0</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none"> 1 Why is IT governance important for organizations? 2 What is the role of policies in IT governance? 3. Why is e-governance important for modern governments? |



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| Lesson Plan No. 5.8 | Course Name: Introduction to IT Topic: E Commerce | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: <ul style="list-style-type: none">a. Discuss about their experiences with online shopping and what they know about e-commerce.b. Define e-commerce and explain its significance. |
| Teaching Aids (if any) | <ul style="list-style-type: none">1. Power Point Presentation2. Online contents3. Blackboard4. YouTube Videos |
| Teaching Development | <p>1. Introduction (10 minutes)</p> <ul style="list-style-type: none">• Ask questions• Definition of e-commerce.• History and evolution of e-commerce.• Types of e-commerce (B2B, B2C, C2C, C2B).• Introduce the topic of e-commerce and its importance in the digital economy.• Define e-commerce as the buying and selling of goods and services over the internet. <p>2. Development (30 minutes)</p> <ul style="list-style-type: none">• Benefits of e-commerce• Key technologies used in e-commerce• Examples of E-Commerce• Discuss popular e-commerce platforms (e.g., Shopify, Magento, WooCommerce) and their features.• Define and explain the role of payment gateways (e.g., PayPal, Stripe) in processing online transactions <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none">• E-Commerce Platform Comparison• Instructions: Divide students into small groups. Assign each group a popular e-commerce platform to research and compare its features, benefits, and limitations.• Sharing: Each group presents their findings briefly. |



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| <p>Closure</p> | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: https://www.techtarget.com/searchcio/definition/e-commerce</p> <p>3. Original Paper on impact of E-commerce: https://www.researchgate.net/publication/376397568_A_review_paper_on_e-commerce</p> <p>4. Homework Search news articles or reports related to E- commerce.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://www.investopedia.com/terms/e/ecommerce.asp https://www.bigcommerce.com/articles/ecommerce/ https://www.shopify.com/blog/what-is-ecommerce https://www.forbes.com/advisor/in/business/what-is-ecommerce/ https://sell.amazon.in/seller-blog/what-is-ecommerce</p> <p>YouTube Video: https://www.google.com/search?sca_esv=1e66ceb7ab001409&sca_upv=1&q=e%3Dcommerce&tbm=vid&source=lnms&fbs=AEQNm0DPvcmG_nCbmwtBO9j6YBzMGI-rIah7qbGvoUnQw8TFIqi9o0uuHszM7QNHgmvvC6aevVBV3e0BT034Sv-niXNmcYx374f_FnaC_iftX2KEKxi0i49cmq1rZNoOK3L6KMeuKCD-uADhfPj58T0vxPoe3yb5cm_6v4JjHrflnl8II1XeWbxexmFA6MwF8C_jakwiOhXyVgwChCCeZjndMx9Fo2t6Xw&sa=X&ved=2ahUKEwjC7ceKm92HAxXDR2cHHXv0LOMQ0pQJegQIDxAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:1720ee16,vid:YiKR5etsp4s,st:0</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer. Reflective Questions:</p> <p>1 What are the main types of e-commerce?</p> <p>2 Who typically uses B2B e-commerce platforms?</p> <p>3. Why is e-commerce important for modern businesses?</p> |



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| Lesson Plan No. 5.9 | Course Name: Introduction to IT Topic: Digital Market | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Definition of digital marketing. b. Key components: SEO, SEM, content marketing, social media marketing, email marketing, and PPC. |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• What is the biggest digital market in the world?• What is the work of digital market?• Benefits of digital marketing.• Introduce the topic of digital marketing and its significance in the modern business landscape. 2. Development (30 minutes) <ul style="list-style-type: none">• What is digital marketing?• Explain Types of Digital Marketing• Disadvantages of Digital Marketing• Define digital marketing as the use of digital channels and technologies to promote products, services, and brands.• Discuss strategies for creating engaging content, running campaigns, and measuring performance. 3. Exercise (5 minutes) – <ul style="list-style-type: none">• Digital Marketing Strategy Brainstorm• Instructions: Divide students into small groups. Assign each group a digital marketing strategy (SEO, content marketing, social media, email marketing, or PPC). Have them brainstorm and outline a basic strategy for a hypothetical product or service.• Sharing: Each group presents their strategy briefly. |



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| <p>Closure</p> | <p>1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.</p> <p>2. Suggested Reading: https://www.techtarget.com/searchcio/definition/e-commerce</p> <p>3. Original Paper on impact of Digital marketing: https://www.researchgate.net/publication/333709419_Digital_Marketing_A_Review</p> <p>4. Homework Search news articles or reports related to Digital marketing.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References: https://business.adobe.com/blog/basics/digital-marketing https://www.forbes.com/advisor/in/business/digital-marketing/</p> <p>YouTube Video: https://www.google.com/search?sca_esv=1e66ceb7ab001409&sca_upv=1&q=digital+marketing&tbm=vid&source=lnms&fbs=AEQNm0DPvcmG_nCbmwtBO9j6YBzM68ZanC7g01Skprhw5JoufbCK1nGzScVrgK3HSlrjNu6plNP03ZWuAbxABvYcOgcr0C2wNNcE73LrMDTYa2anZFrnRlshrMMvG6hUWPSA9kzvZnZIEonmFpCfqqakYfYjH2mW9EtlrRgYH1hGXJAYRceMUbHDMuIJGIRpiu7uqmvzgzQ10beaizAyJ5XR3d1On511JA&sa=X&ved=2ahUKEwiZ-cyjnt2HAXU_sFYBHUiTJpkQ0pQJegQIERAB&biw=1093&bih=513&dpr=1.25#fpstate=ive&vld=cid:93a3baef,vid:bixR-KIJKYM,st:0</p> |
| <p>Evaluation</p> | <p>Reflective Questions (What, why, Who?). Allow students to answer. Reflective Questions:</p> <ol style="list-style-type: none"> 1 What are the primary goals of digital marketing? 2 What is the significance of a digital marketing? 3. Why is it important to understand your target audience in digital marketing? |



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| Lesson Plan No. 5.10 | Course Name: Introduction to IT Topic: Electronic data security | Course No.: BBAMI-106(D) |
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| Objectives | At the end of the lesson the student shall be able to: a. Understand Electronic data security |
| Teaching Aids (if any) | 1. Power Point Presentation 2. Online contents 3. Blackboard 4. YouTube Videos |
| Teaching Development | 1. Introduction (10 minutes) <ul style="list-style-type: none">• Ask questions• Explain Electronic data security.• Benefits of data security.• Explain Data protection 2. Development (30 minutes) <ul style="list-style-type: none">• Differentiate Data security vs. data privacy vs. data protection• Why is data security important? 3. Exercise (5 minutes) – <ul style="list-style-type: none">• Ask students about their experiences with online ads and social media marketing. Question and answer round related to topic responses and discuss the answers. |
| Closure | 1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. 2. Suggested Reading: https://www.techtarget.com/searchsecurity/Data-security-guide-Everything-you-need-to-know 3. Original Paper on impact of Digital marketing: https://www.researchgate.net/publication/333709419_Digital_Marketing_A |



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| | <p>Revi</p> <p>4. Homework</p> <p>Search news articles or reports related to Digital marketing.</p> <p>5. Spend 5 minutes to wrap up and consolidate the learning's</p> <p>References:</p> <p>https://www.fortinet.com/resources/cyberglossary/data-security</p> <p>https://www.ibm.com/topics/data-security</p> <p>https://corporatefinanceinstitute.com/resources/data-science/data-security/</p> <p>https://www.opentext.com/what-is/data-security</p> <p>YouTube Video:</p> <p>https://www.youtube.com/watch?v=Gyo_shybnGg</p> |
| Evaluation | <p>Reflective Questions (What, why, Who?). Allow students to answer.</p> <p>Reflective Questions:</p> <ol style="list-style-type: none">1 What are the key components of a data security policy?2 What is a firewall, and how does it protect data?3. What is a virtual private network (VPN), and how does it enhance security? |