Sri Sai VidyaVikasShikshanaSamithi ®
SAI VIDYA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka)
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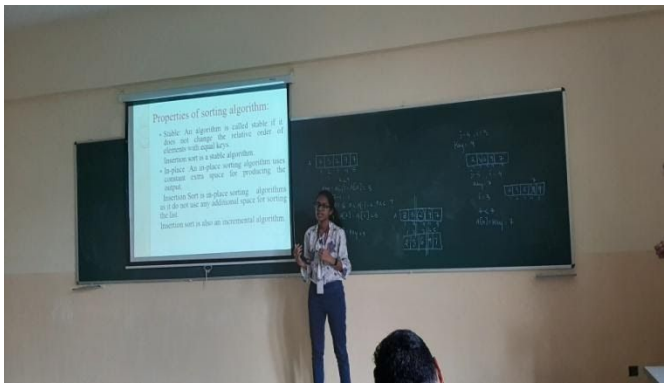
# ACTIVITY REPORT

| **Initiatives** | |
|---|---|
| **Activity Title** | Seminar |
| **Coordinator name** | Mamatha A |
| **Course & Course Code** | Design and Analysis of Algorithms – 18CS42 |
| **Date** | 09/02/2020-30/05/2020 |
| **Intended Students** | 4th Sem |
| **Topic covered** | Module I to V(Selected Topics) |

| **Implementation** | |
|---|---|
| **Number of Students attended** | 71 |
| **Description** | • All the students are asked to prepare for the topics assigned.<br>• Students prepared the power point presentation and presented the same in the class/online class through ZOOM APP<br>• Students were asked to explain the problem statement, algorithm, analysis and program/ an example with respect to problem solving<br>• Questions were asked at the end of presentation. |
| **Outcomes** | **Students are able to :**<br>• Improve their knowledge with respect to algorithm design and analysis<br>• Problem solving method<br>• Improvement in their communication skills and team work<br>• Imparting themselves in online learning methodology |
| **Course Outcome** | **The activity maps to CO2, CO3, CO4**<br>CO2: Solve the given problem by using different algorithm design techniques (such as divide and Conquer, Greedy Method etc.,)<br>CO3: Analyze the computational complexity of different algorithms using Mathematical Induction/Master Theorem<br>CO4: Devise an algorithm using appropriate design strategies for problem solving |

Activity Photos



**Impact Analysis**

**Map the activity to the PO's** PO1, PO2, PO3, PO4, PO9, PO10, PO12.
**Map the activity to the PSO's** PSO1

Map the activity to the PO's & PSOs

| PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 2 | 2 | | | | | 2 | 2 | | 1 | 1 | | |

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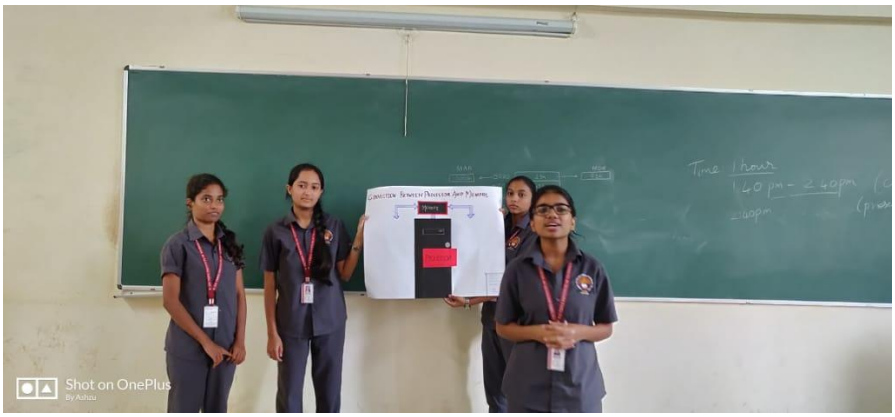
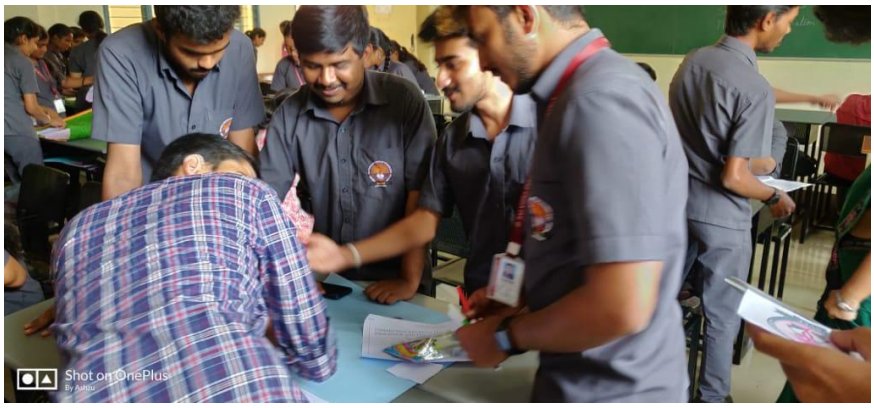
# ACTIVITY REPORT

| **Initiatives** | |
|---|---|
| **Activity Title** | Poster Presentation |
| **Coordinator name** | Sreelatha P K |
| **Course & Course Code** | Computer Organization – 18CS34 |
| **Date** | 01/10/2019 |
| **Intended Students** | 3rd sem |
| **Topic covered** | Connections between processor and memory – basic operational concepts, Shift and rotate instructions, Stack and subroutine, Adressing Modes ( Direct,Indirect, Indexing), Memory word, Big Endian and Little Endian, Bus structure and I/O interface for Input device, DMA and types, Bus – PCI, SCSI and USB, Serial port and parallel port, Synchronous bus and Asynchronous bus. |

| **Implementation** | |
|---|---|
| **Number of Students attended** | 71 |
| **Description** | • Students were asked to form groups<br>• Each group is assigned with different topics by course coordinator on basic computer organization topics.<br>• All the students are asked to prepare for the topics assigned.<br>• Students prepared the posters in the class in team assigned to them.<br>• Every team presented their posters to the judges.<br>• Questions were asked at the end of presentation. |
| **Outcomes** | **Students are able to :**<br>• Know the connections between processor and memory.<br>• Basic instructions<br>• Addressing modes and data storage technique.<br>• Connections between input output devices, ports and bus. |
| **Course Outcome** | **The activity maps to CO1**<br>**CO1**: Understand the basics of computer organization |

# Activity Photos



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# ACTIVITY REPORT

| **Initiatives** | |
|---|---|
| **Activity Title** | Seminar |
| **Coordinator name** | Mamatha A |
| **Course & Course Code** | Dotnet Framework for Application Development – 17CS564 |
| **Date** | 23/08/2019-17/11/2019 |
| **Intended Students** | 5th Sem |
| **Topic covered** | Module I, IV and V(Topic list Included) |

| **Implementation** | |
|---|---|
| **Number of Students attended** | 71 |
| **Description** | • All the students are asked to prepare for the topics assigned.<br>• Students were asked to work in team.<br>• Students prepared the power point presentation and presented the same in the class<br>• Students were asked to provide brief introduction to the topic, explain the various terminologies such as methods, syntax /creation relevant and demonstrate the same using programs<br>• Questions were asked at the end of presentation. |
| **Outcomes** | **Students are able to :**<br>• Improve their knowledge with respect to programming<br>• Impart themselves in learning new programming language<br>• Improvement in their communication skills and team work |
| **Course Outcome** | **The activity maps to CO1,CO5**<br>**CO1: Build** applications on Visual Studio .NET platform by understanding the syntax and semantics of C#<br>**CO4: Illustrate** the use of generics and collections in C# |

Activity Photos

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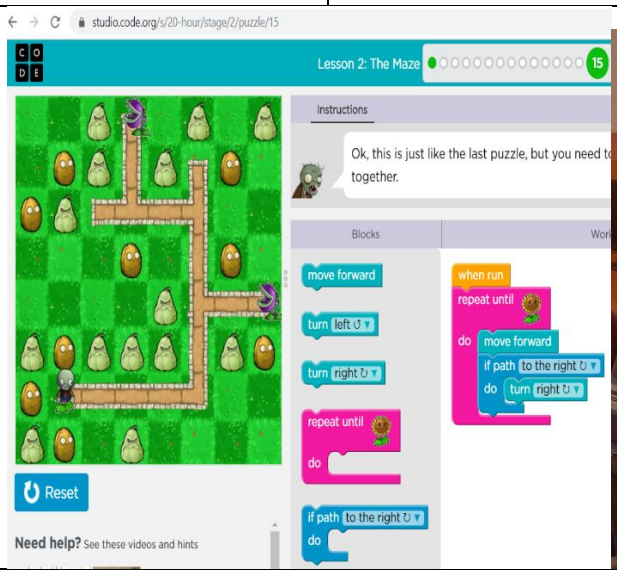
# ACTIVITY REPORT

| **Initiatives** | |
|---|---|
| **Activity Title** | Workshop |
| **Coordinator name** | Prof. Varshini Vidyadhar |
| **Course & Course Code** | Programming with C and data structures |
| **Date** | 03/10/2019 |
| **Intended Students** | 1st Sem |
| **Topic covered** | Online Puzzle |

| **Implementation** | |
|---|---|
| **Number of Students attended** | 56 |
| **Description** | Students should place the code blocks in the right order, so that the code will work in the loop format. |
| **Outcomes** | **Students are able to:**<br>• It Helps for Students to understand the loops. |



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# ACTIVITY REPORT

| **Initiatives** | |
|---|---|
| **Activity Title** | Poster Presentation |
| **Coordinator name** | Sreelatha P K |
| **Course & Course code** | Operating System (18CS43) |
| **Date** | 25/02/2020 |
| **Intended Students** | 4th sem CSE |
| **Topic covered** | Introduction to OS, Types of OS, Recent OS, Uses of OS |

| **Implementation** | |
|---|---|
| **Number of Students attended** | 71 |
| **Description** | • Students were asked to form groups<br>• Each group is assigned with different topics by course coordinator on basics of operating system.<br>• All the students are asked to prepare for the topics assigned.<br>• Students prepared the posters in the class in team assigned to them.<br>• Every team presented their posters to the judges.<br>• Questions were asked at the end of presentation. |
| **Outcomes** | **Students are able to :**<br>• Know the basics of OS, recent OS, uses and types of OS.<br>• Acquire good communication skill and team building skills. |

Activity Photos

**Impact Analysis**

Map the activity to the PO's & PSOs

| PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 2 | | | | | | 1 | 3 | 2 | | 1 | 2 | | |

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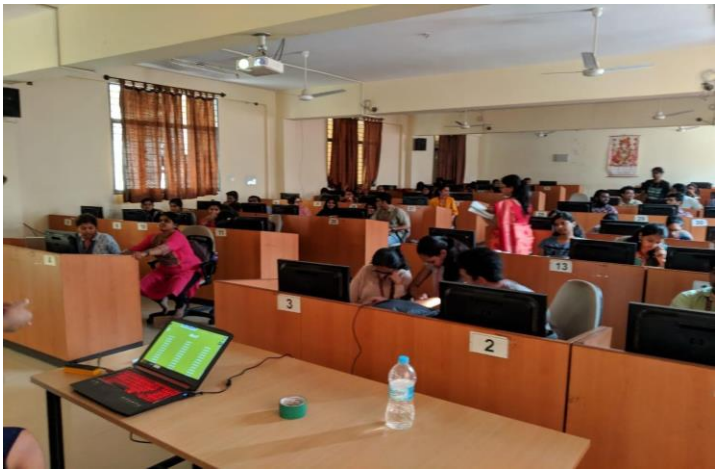
# ACTIVITY REPORT

| **Initiatives** | |
|---|---|
| **Activity Title** | Workshop |
| **Coordinator name** | Dr. Archana R A |
| **Course & Course Code** | Computer Networks – 17CS |
| **Date** | 01/10/2019 |
| **Intended Students** | 5th Sem |
| **Topic covered** | Git Hub Repository Creation & Working |

| **Implementation** | |
|---|---|
| **Number of Students attended** | 64 |
| **Description** | The main goal of the workshop was to share knowledge and to create awareness about Git & Github, how we can use it, how industry uses version control systems and how it works.<br><br>In this workshop we started with an introduction about the version control system, how it works, examples and etc. Then covered Git features and working from scratch. After covering the basics of Git, we continued with Github and its features. How to use Github with Git. |
| **Outcomes** | **Students are able to :**<br>• Improve their knowledge with respect to Github Repository.<br>• Students were able create a repository on their own.<br>• Students were able to store the data & they can share the data. |

Activity Photos



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# REPORT ON BUSINESS PLAN ACTIVITY

**SUBJECT: MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY**

**SUBJECT CODE: 17CS51**

**SEMESTER: 5th SEM CSE**

**TOPIC: BUSINESS PLAN.**

The activity of **WRITING THE BUSINESS PLAN** was given to the group of students on 25/09/19 from 9:30am to 10:30am. Students presented the business Plan to the other groups and discussed the plan and also answered the questions which were asked by other teams.

The **BUSINESS PLAN** includes,

1. Names of business group
2. Business name
3. Target market
4. Write what you are going to do?
5. Write how your business is going to work?
6. What makes your idea different??
7. Write down who your target market is
8. Who is going to be working with you
9. Financing
10. Risks!
11. Pricing

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# REPORT ON ENTREPRENEURSHIP GUEST LECTURE

**SUBJECT: MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY**

**SUBJECT CODE: 17CS51**

**SUBJECT FACULTY: DEEKSHA HEGDE B**

Guest lecture on **"ENTREPRENEURSHIP" was organized** for 5th semester CSE Students on 11th September 2019 from 9:30 am to 10:30am. The main focus of this guest lecture is to motivate the students to be entrepreneur in the field of Management and Entrepreneurship for the future corporate INDIA.

Sessions of guest lecture was delivered by Dr. Pradeep N E, Department of MBA, Placement Officer, Associate Professor, Chief Coordinator - SVIT Incubation Centre, Sai Vidya Institute of Technology, Bengaluru.

**Following topics were covered in the lecture:**

- About entrepreneurship.
- Interaction about inspiring entrepreneurs (like flipkart,OYO etc).
- Information about the Incubation center in SVIT.
- Why one should become entrepreneur?
- How to become entrepreneur?
- About market or target customer.
- Types of entrepreneurs.
- About Intrapreneur.

**Photographs of the Guest Lecture**

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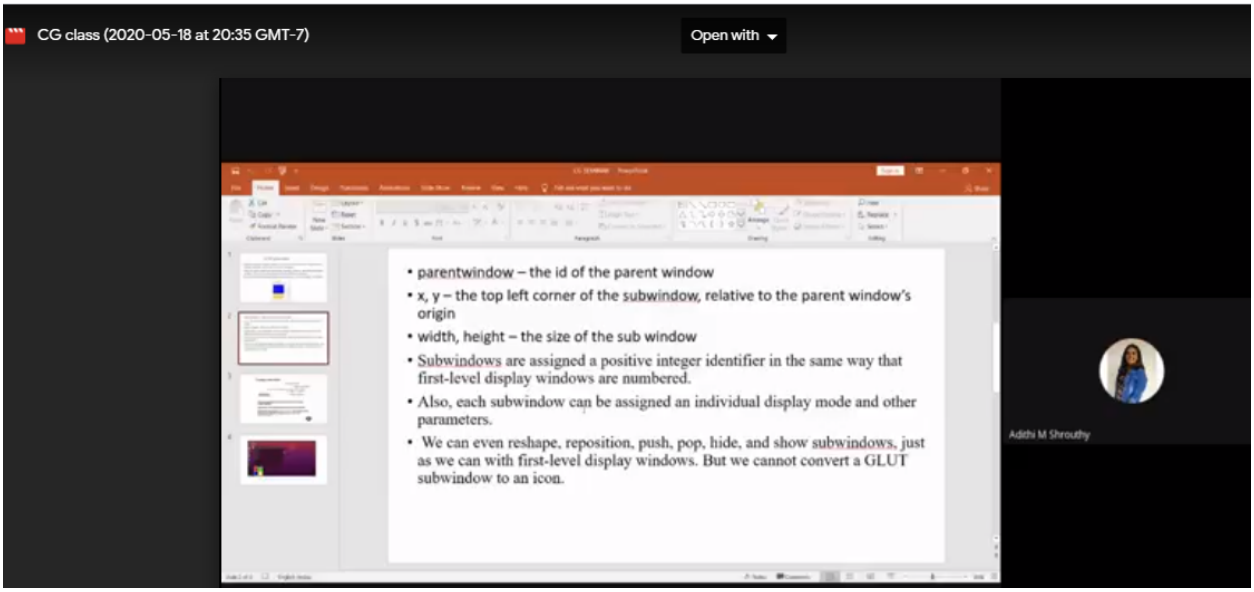
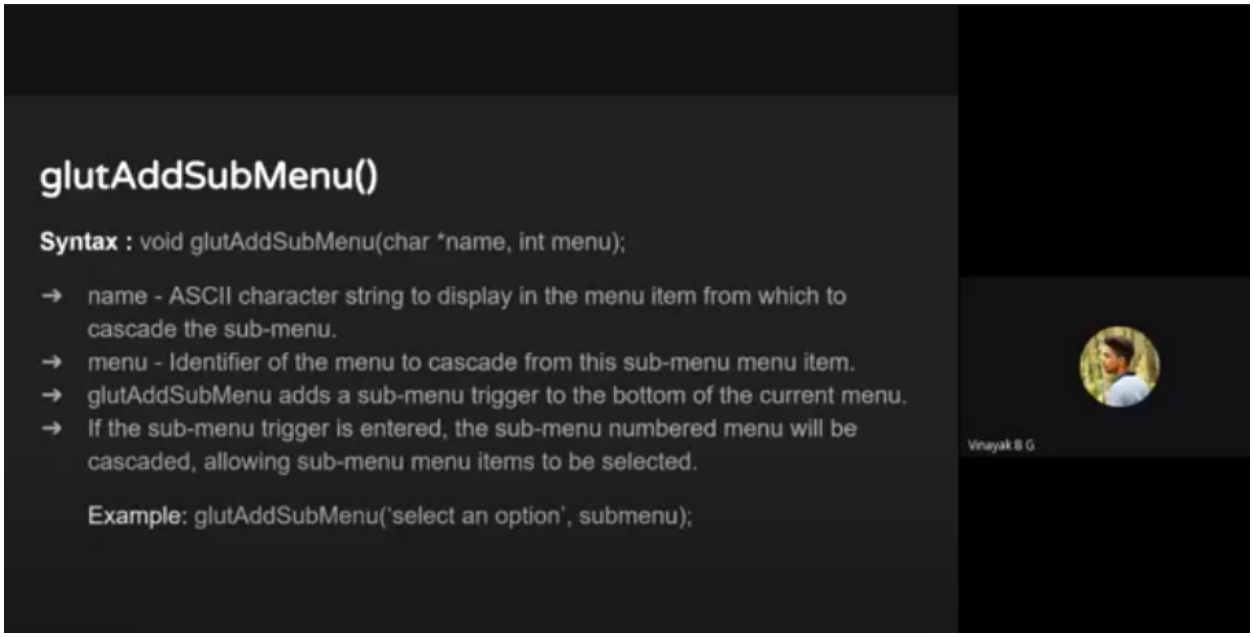
# ACTIVITY REPORT

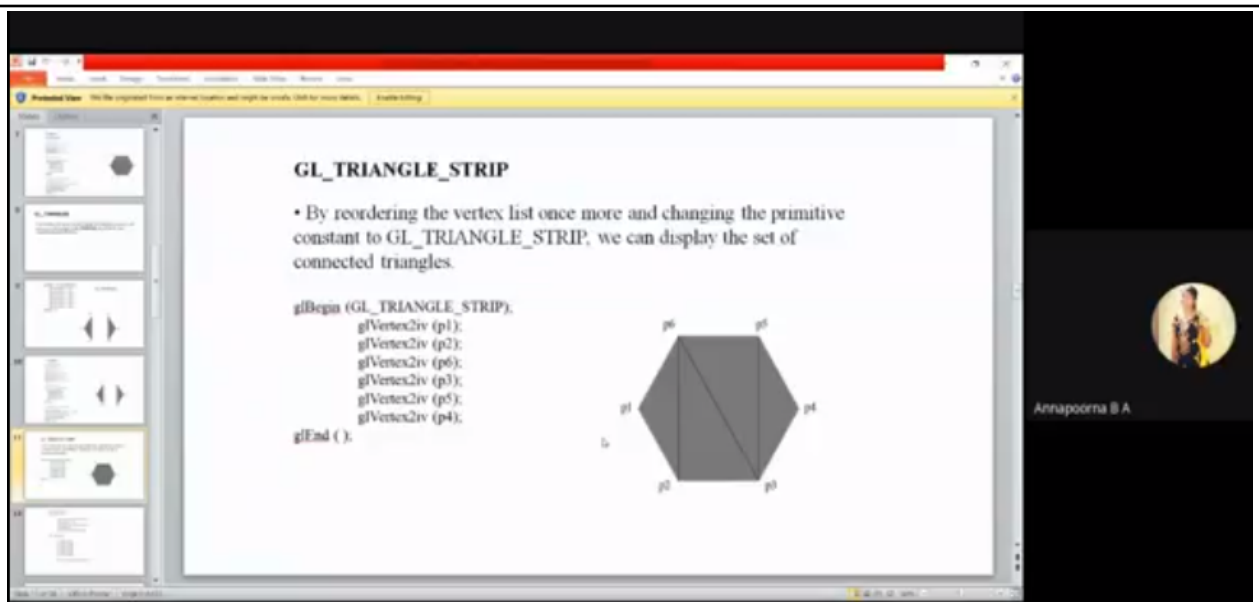
| **Initiatives** | |
|---|---|
| **Activity Title** | Seminar and Laboratory work |
| **Coordinator name** | Dr.Sangeetha .V |
| **Mapped Course Name/Code (If Applicable)** | Computer Graphics and Visualization / 17CS62 |
| **Resource Person (If Applicable)** | - |
| **Date** | 13-5-20,18-5-20,19-5-20,20-5-20 |
| **Intended Students** | 6TH semester |
| **Topic covered** | OpenGL Transformation types and functions |

| **Implementation** | |
|---|---|
| **Number of Students attended** | 67 |
| **Description** | • Students were assigned topic<br>• Students were asked to prepare and deliver the content on specified dates<br>• After presentation by student, question was asked by student participant for any clarification regarding topic content<br>• Student was issued certificate as token of Appreciation. |
| **Outcomes** | **Students are able to :**<br>**CO4:** Discuss about suitable hardware and software for developing graphics packages using OpenGL.<br><br>Questions were asked in IA-2 related to the topic and Students Presentation skill is improved. |

# Activity Photos






**Impact Analysis**

Map the activity to the PO's & PSOs

| CO | Program Outcomes | | | | | | | | | | | | PSO | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| CO4 | | 1 | | | 2 | | | 3 | 3 | 3 | | 1 | | | |

This activity increased student as individual to stand on stage and present during presentation with confidence. It also improves the communication skill of student.