

(Approved by AICTE; Affiliated to IKG-PTU, Jalandhar)

Mind Map Activity

Class: CSE 6th Semester

Course: Artificial Intelligence (BTCS 602-18)

Topic: "Bayesian Networks- representation, construction and inference"

Faculty Coordinator: Dr. Parveen Kakkar (Deptt. of CSE)

Academic Year: 2019-23

Date of Activity: May 13, 2022

Context:

Planned activity is the group activity. Basically, student involvement, thinking on problem statement, group discussion among the team and identification of solution is done.

Team formation is done as per the choice of students and comfort zone to get better outcome. Each group selected a topic to work. Students carried out the discussion among them and after a proper and satisfactory discussion the topic has finalized. Once the topic is finalized, students sit together and prepare a statement for the selected problem statement. Once solution is ready, students are used to draw the complete details on a chart paper and present in front of the complete class. Other students are expected to ask the cross questions and get involve in each other's work.

Activity Description

- Step1 –Selection of team members as per your choice and comfort level
- Step 2- Discussion on various topics related to course
- Step 3- Finalization of topic in coordination of team members
- Step 4- Discussion on solution finding and functioning of it.
- Step 5- Finalization of most suitable solution
- Step 6- Drawing the complete flow diagram, solution and advantages, disadvantages on chart
- Step 7- Presentation of the topic and chart in front of the class
- Step 8- Discussion and answering the questions by friends and teacher

Practice (Problem Statement)

- 1. This activity will be in class activity. This will be graded activity. Student's groups will be formed with.
- 2. Problem statement is given well in advance to students so that they can get prepared well and come with the required solution. 30 mins will be given for understanding and discussion among the members after coming to class before presentation.
- 3. After 30 mins instructor will take review on student's performance. Students will be instructed to present the work in front of complete class.
- 4. Faculty will coordinate and will help students in clarifying the understanding of the problem statement.

- 5. Faculty then will invite each group to present their work on board. Likewise, every group will be evaluated.
- 6. Faculty will give feedback (reflections on performances) on every group's performance.

All groups will be asked to submit a chart on the activity after the presentation of their groups.

Evidence of Success / Outcome / Post reflection:

This activity basically helps the students in developing the various essential qualities among them like, team work, discussion involvement, thinking on critical topics and presentation skills. Students are motivated to work well and produce good results. Also, it is always desired that all the team members are involved and participated equally. Definitely student's involvement was always good and satisfactory performance is observed during the presentations.

Proofs Of The Activity

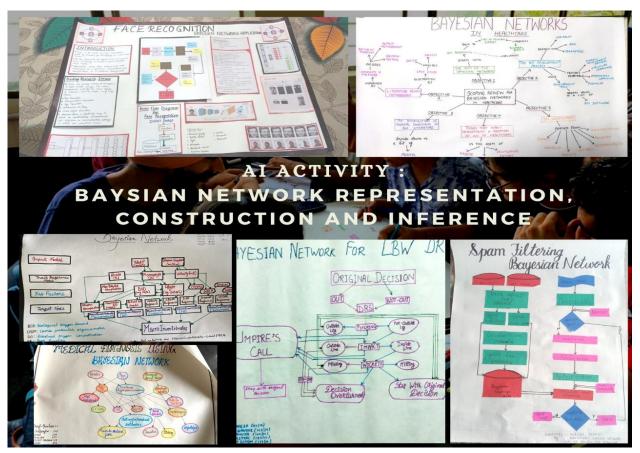






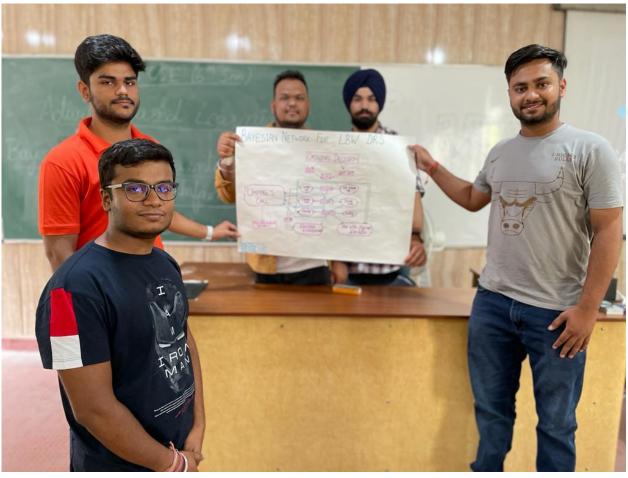
















Student Reviews-

This activity push us to take an initiative about the topic we have already covered in the course & brainstorms various aspects among our peers. The presentation had an environment that will incubate many new ideas.

(Mr. Japesh Dixit)

It is a very interesting activity i enjoyed a lot, it helps to inculcate team spirit, creative thinking, and coordination...it's a fun. activity!

(Ms. Arushi Sharma)

It Improves Writing skills and thinking power

(Ms. Gopika)

It Helps with Memorization and Retention.

(Mr. Sehajdeep Singh)

It helps you learn new concepts. ...

It's a fun way of learning. ...

It makes complex ideas easier to understand. ...

It improves your presenting. ...

It boosts your creativity. ...

It improves productivity...

(Ms. Jannat Miglani)

Amazing "Bayesian Networks- representation, construction and inference" mind mapping activity, highly recommended for all

students, so they have the knowledge prior before getting to the stage where they actually need to execute these things and save

(Ms. Yukta)

It is a very interesting activity i enjoyed a lot, it helps to creative thinking, and coordination...it's a fun activity!

(Mr. Shivang Seth)

Critics: Following are the observation related to Mind map activity

Feedback has been taken from students:

Positive Observations:

- Students have enjoyed a lot during this activity. It was really learning with fun.
- They have discussed topic of Bayesian Network, have prepared mind map of the topic and have presented the topic in groups.
- According to them they have better understanding of the concept and problem statement
- It has been observed that students are able to understand complex topic in very simple way.
- Students find it very interesting & also they had fun while creating charts and discussions.
- Some of the students who are slow learners are able to understand and present the topic in very effective way.

Negative observations -

- Some of the students were absent in the class so were not able to participate in the activity
- In groups some students were very active during the activity while few students are less active.

DAV Institute of Engineering & Technology, Jalandhar

| Name of Activity | Mind Map: What's trending? |
|----------------------------|----------------------------------|
| Class/ Semester | CSE 6 th Sem |
| Academic Year | 2021-2022 |
| Course name | Cloud Computing (BTCS 612-18) |
| Topic | Recent Trends in Cloud Computing |
| Faculty Coordinator | Ms. Shaveta Kalsi |

The Mind Map activity on 'Recent Trends in Cloud Computing' was organized for the students of BTech CSE 6th Sem on 13th May 2022.

Activity Description:

This was a group activity and is graded one. The selection of team members was as per choice and comfort level of students. The topic was given well in advance to the students so that they could prepare properly and can come up with their ideas. Each group was allocated a topic. Students carried out the discussion amongst themselves in teams to prepare a solution for the given problem statement. Once ready with the solution, students were required to acquaint their ideas on charts and ppt's and then present in front of the class. Other students were encouraged to do cross-questioning and give an honest feedback.

The faculty coordinator evaluated and gave feedback on each group's performance. After all the group presentations, all the participants were asked to submit the charts to the faculty coordinator.

Assessment Rubrics:

| Criteria | Ratings | | | |
|-----------------|------------------|------------------|---------------------|----|
| | 10 | 8 | 6 | |
| Poster | Excellent Poster | Moderate Poster | Any one from | |
| preparation and | preparation, PPT | preparation, PPT | Poster preparation/ | 10 |
| presentation | Preparation & | Preparation & | PPT Preparation | |
| | presentation | presentation | and presentation | |
| Total | | | | |

Evidence of Success / Outcome / Post Reflection

This activity basically helped the students in developing the various qualities like, teamwork, discussion involvement, thinking on critical topics, stage fear, furnishing communication skills and presentation skills.

Glimpses



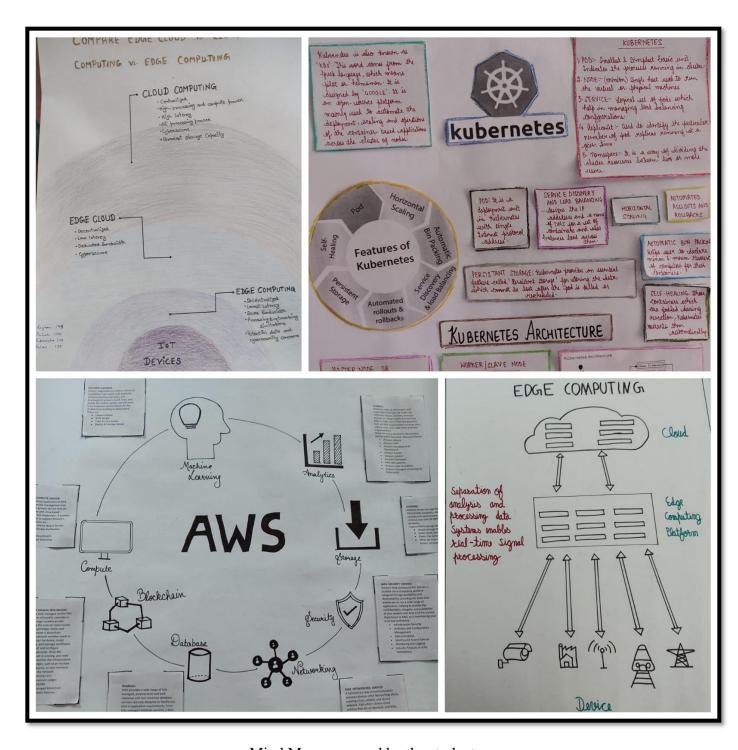
Students presenting in front of Peer Groups



Team Presentations



Students discussion and preparation of charts



Mind Maps prepared by the students

Positive Observations

- Students enjoyed a lot during this activity. They enjoyed while learning.
- They are encouraged to enhance their soft skills.
- Students learn to work in teams.
- It helps to inculcate creative thinking and coordination.
- It helps in memorizing and learning concepts.

Negative Observations

- Since it was a group activity, the level of contribution of different students was observed to be different. Some students participated very actively while others did not show the required enthusiasm.
- The feedback of this activity has been taken through the following link https://forms.gle/JxLibcoK5JwegHqh6



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Mind Map Activity For CSE 2nd Year :"Parallel Processing"

ACADEMIC YEAR: 2021-22

Moderator: Dr Parveen Kakkar

Mind Map Activity

Class: CSE 4th Sem

Course: Computer Organization & Architecture (BTES 401-18)

Faculty Coordinator: Dr. Parveen Kakkar (Deptt. of CSE)

Academic Year: 2021-22

Date of Activity: May 19, 2022

Context:

Planned activity is the group activity. Basically, student involvement, thinking on problem statement, group discussion among the team and identification of solution is done.

Team formation is done as per the choice of students and comfort zone to get better outcome. Each group selected a topic to work. Students carried out the discussion among them and after a proper and satisfactory discussion the topic has finalized. Once the topic is finalized, students sit together and prepare a statement for the selected problem statement. Once solution is

ready, students are used to draw the complete details on a chart paper and present in front of the complete class. Other students are expected to ask the cross questions and get involve in each other's work.

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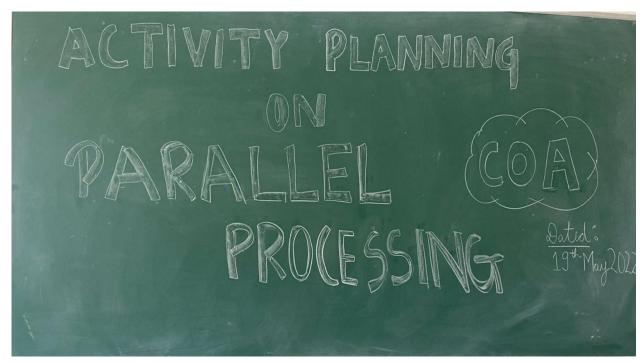
- 3. After 30 mins instructor will take review on student's performance. Students will be instructed to present the work in front of complete class.
- 4. Faculty will coordinate and will help students in clarifying the understanding of the problem statement.
- 5. Faculty then will invite each group to present their work on board. Likewise, every group will be evaluated.
- 6. Faculty will give feedback (reflections on performances) on every group's performance.

All groups will be asked to submit a chart on the activity after the presentation of their groups.

Evidence of Success / Outcome / Post reflection:

This activity basically helps the students in developing the various essential qualities among them like, team work, discussion involvement, thinking on critical topics and presentation skills. Students are motivated to work well and produce good results. Also, it is always desired that all the team members are involved and participated equally. Definitely student's involvement was always good and satisfactory performance is observed during the presentations.

Proofs Of The Activity



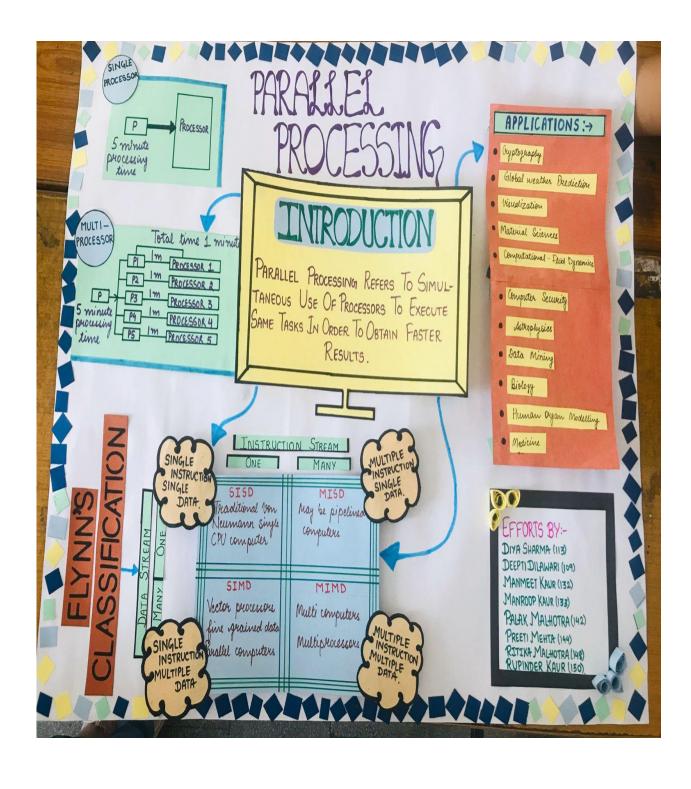


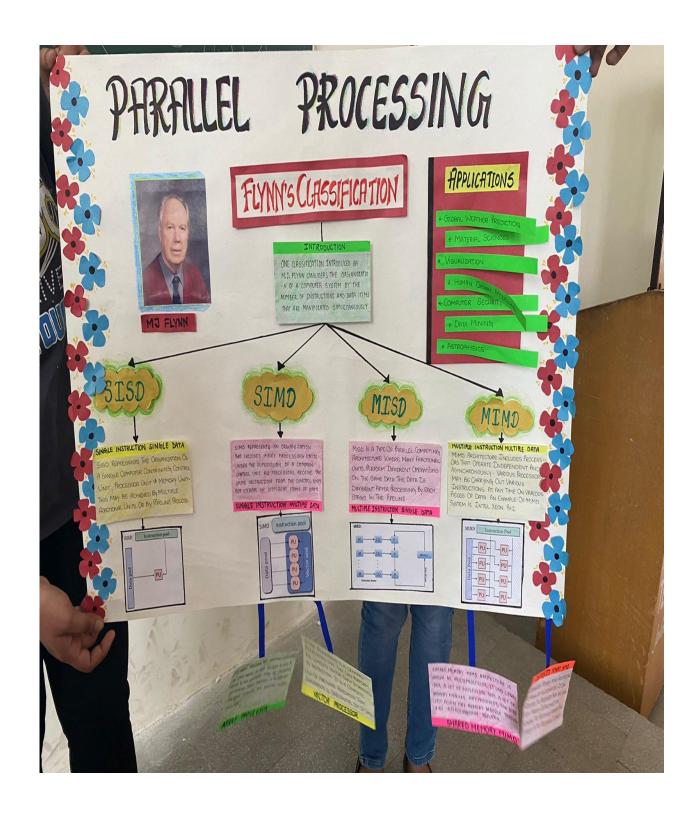












FLYNN'S CLASSIFICATION Processor

Organization

Single Instruction Single Instruction Multiple Instruction Multiple Instruction

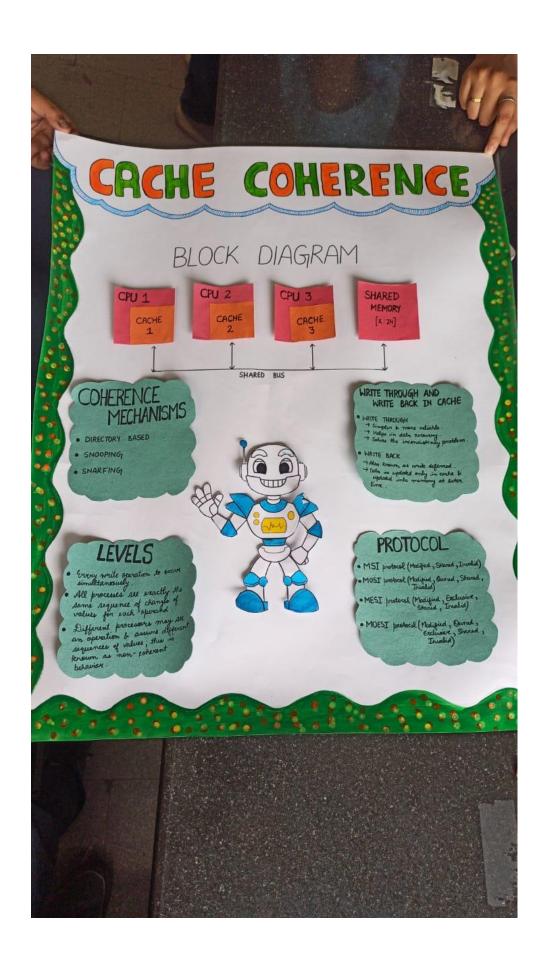
Single Datastream Multiple Datastream Single Datastream Multiple Datastream

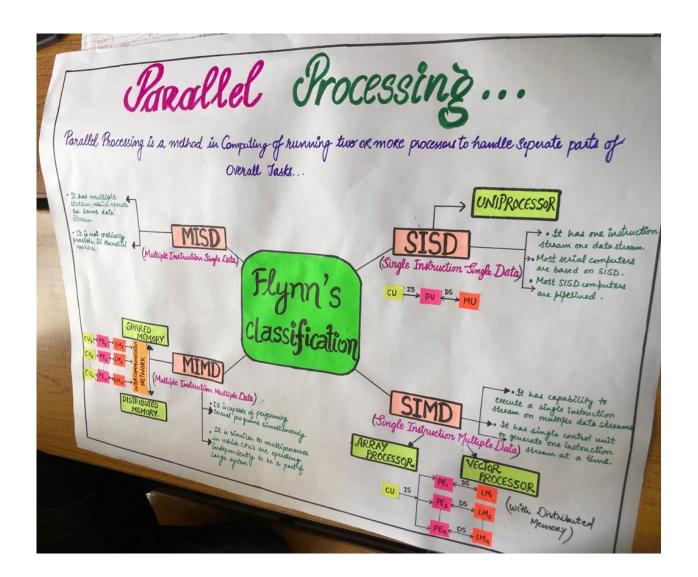
Uniprocessor Vector Array Shared Distributed Processing Processing Memory Memory

Symmetric Multiproccessor

Non-Uniform Memory Access

PARALLEL PROCESSING Definition possible precessing can be described as a class of techniques which enable the scyclim to assist dimentarious data provising takes to increase the computational speed of computer Advantages 1) salve larger probles point of sime i) It has massive data strunge and quick data computations Adder - Suppraction Disadvaniages Integer multiply 1) power consumption to bugg by a Come concludentions a) farallel solutions one hander to impersions 3) they ever next due to pelletyethe logic unit shift limit Incrementer USES AND APPLICATION Flynn's Taxonomy PHOUSE registers floating-point add-publical 1. pudictife modelling and consulation a) Numoric whether prediction 6) orantography and astrophysic 6) socioeconomics and government SISD SIMD freating - point multiply · (uder amous · perallet pre floating point Engineering Design and automation MISD MIMD Diwide a) finite element analysis 5) Putificial intelligence and automation · Multi-greek () Remete surving applications. Data Stream 3. Medical Military and Basic Hestard



















ACTIVITY ON PARALLEL PROCESSING





SUB:- COMPUTER ORGANISATION AND ARCHITECTURE





Student Reviews-

Amazing Mind Map activity on Parallel processing under Computer architecture, highly recommended for all students, so they have the knowledge prior before getting to the stage where they actually need to execute these things. (Palak Malhotra)

It is a very interesting activity i enjoyed a lot, it helps to creative thinking, and coordination...it's a fun activity!

(Ritika)

It is a very interesting activity i enjoyed a lot, it helps to inculcate team spirit, creative thinking, and coordination...it's a fun activity! (Abhay Jassal)

It Improves Writing skills and thinking power.

(Shivam Gupta)

It Helps with Memorization and Retention.

(Preeti Kumari)

It helps you learn new concepts. ...

It's a fun way of learning. ...

It makes complex ideas easier to understand. ...

It improves your presenting. ...

It boosts your creativity. ...

It improves productivity. ..

(Diya Sharma)

Critics: Following are the observation related to Mind map activity

Feedback has been taken from students:

Positive Observations:

- Students have enjoyed a lot during this activity. It was really learning with fun.
- They have discussed topic of calculation of Income Under Head Salaries, have prepared mind map of the topic and have presented the topic in groups.
- According to them they have better understanding of the concept and problem statement
- It has been observed that students are able to understand complex topic in very simple way.
- Students find it very interesting & also they had fun while creating charts and discussions.
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Negative observations -

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