

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Implementation details of Innovative Teaching Practices

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| Year / Semester / Section: III / VI / B | Degree & Branch: B.E. CSE |
| Course Code: CS8691 | Course Name: Artificial Intelligence |
| Unit: 2 | Topic: Informed Search – Heuristic Function |
| Activity Chosen: Group discussion | |

Details of the Implementation:

- Faculty explains about Informed search and the concept of Heuristic function which is used to achieve the goal in the classroom within 40 minutes.
- At the end of the class, students are instructed to form groups and discuss/debate on Heuristic function and its role in searching technique.
- Faculty records their proceedings and measure students' progress before and after implementation

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|------------------|----------|----------|----------|----------|--|--|
| PO | PO1 | PO2 | PO3 | PO10 | | |
| Relevance | 3 | 2 | 1 | 1 | | |

Images / Screenshot of the practice

Search Strategies



- Uninformed search** (blind search)
Having *no additional information about the number of steps* from the current state to the goal state other than provided in the problem definition.
- Informed search** (heuristic search)
 - It can decide whether one *non-goal state* is more *promising* than the other non-goal state.
 - *More efficient* than uninformed search.

Images / Screenshot of the practice



Images / Screenshot of the practice



Images / Screenshot of the practice



Benefit of the practice:

Group discussions promotes a deeper understanding of how the Heuristic function aids in minimizing the process of searching.



KGiSL INSTITUTE OF TECHNOLOGY

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KGiSL Campus, 365, Thudiyalur Road, Saravanampatti, Coimbatore – 641035



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Implementation details of Innovative Teaching Practices

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|---|--|
| Year / Semester / Section: II/ IV/ B | Degree & Branch: B.E. CSE |
| Course Code: CS8493 | Course Name: Operating Systems |
| Unit: 2 | Topic: Multiprocessor Scheduling, Realtime Scheduling |
| Activity Chosen: Group Discussion | |

Details of the Implementation:

- Faculty explains about the concept of Multiprocessor and Realtime Scheduling and their importance in the classroom within 40 minutes.
- At the end of the class, students are instructed to form groups and discuss/debate on role of Strategic management in an organization.
- Faculty records their proceedings and measure students' progress before and after implementation

| | | | | | | |
|------------------|----------|----------|----------|----------|--|--|
| PO | PO1 | PO2 | PO9 | PSO1 | | |
| Relevance | 3 | 2 | 2 | 2 | | |

Images / Screenshot of the practice



Images / Screenshot of the practice



Images / Screenshot of the practice



Benefit of the practice:

Group discussions promotes a deeper understanding of how Strategic Management aids in the process of planning and helps in decision making for efficient working of organization.



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| | |
|---|--|
| Year / Semester / Section: VII / IV | Degree & Branch: B.E. CSE |
| Course Code: GE8071 | Course Name: Disaster Management |
| Unit: II | Topic: Institutional Process and Framework at State and Central Level |
| Activity Chosen: Group Discussion | |
| Details of the Implementation: | |
| <ul style="list-style-type: none"> ● Faculty explains how the government develops, reviews and assess effective disaster management practices in State and Central Level in the classroom for 10 minutes. ● At the end of the class, students are instructed to form groups and discuss/debate on how to respond in a disaster, what are the standards followed by NDMA and SDMA. ● Faculty record their proceedings and measure students' progress before and after implementation. | |
| PO | PO10 |
| Relevance | 1 |
| <u>Images / Screenshot of the practice</u> | |
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| <u>Images / Screenshot of the practice</u> | |
| Benefit of the practice: | |
| Group discussion promotes a deeper understanding of how to reduce disaster risk with local bodies. | |