

| MARKING CRITERIA                           | HIGH DISTINCTION (HD)<br>85 - 100 MARKS                                                                                                                                                                                                                                                                      | DISTINCTION (DN)<br>75-84 MARKS                                                                                                                                                                                                                                          | CREDIT (CR)<br>65-74 MARKS                                                                                                                                                                                                                                          | PASS (PS)<br>50-64 MARKS                                                                                                                                                                                                                        | FAIL (FL)<br><50 MARKS                                                                                                                                                                                        |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T1 Decision Tree<br>(10 marks)             | Accurately and clearly represents all features of the Decision Tree (i.e., chance and decision nodes) along with their correct values.<br><br>Excellent delineation of the decision tree                                                                                                                     | Accurately and clearly represents most features of the Decision Tree (i.e., chance and decision nodes) along with their correct values                                                                                                                                   | Accurately represents all features of Decision Tree with some unclear features and some incorrect values                                                                                                                                                            | Accurately represents most features of Decision Tree with several unclear features and wrong values                                                                                                                                             | Inaccurately represents most features of Decision Tree with several unclear features                                                                                                                          |
| T1 Decisions<br>(5 marks)                  | Explanation of key decisions involved in the problem along with their supporting facts and values                                                                                                                                                                                                            | Discussion of key decisions involved in the problem                                                                                                                                                                                                                      | Summary of key decisions involved in the problem                                                                                                                                                                                                                    | Outline of key decisions involved in the problem                                                                                                                                                                                                | Insufficient outline of key decisions involved in the problem                                                                                                                                                 |
| T2 Spreadsheet and Solutions<br>(10 marks) | The following are all clearly and accurately identified with no errors: <ul style="list-style-type: none"> <li>• weightage</li> <li>• benefits</li> <li>• Efficient Frontier</li> </ul> All calculated weights/priorities are correct, with no errors<br><br>All the calculations are traceable and correct. | Most of the following are clearly and accurately identified with few minor errors: <ul style="list-style-type: none"> <li>• weightage</li> <li>• benefits</li> <li>• Efficient Frontier</li> </ul> Most calculated weights/priorities are correct, with few minor errors | Most of the following are accurately identified with few significant errors: <ul style="list-style-type: none"> <li>• weightage</li> <li>• benefits</li> <li>• Efficient Frontier</li> </ul> Most calculated weights/priorities are correct, few significant errors | Most of the following is accurately identified: <ul style="list-style-type: none"> <li>• weightage</li> <li>• benefits</li> <li>• Efficient Frontier</li> </ul> Most calculated weights/priorities are correct, with several significant errors | None of the following is accurately identified: <ul style="list-style-type: none"> <li>• weightage</li> <li>• benefits</li> <li>• Efficient Frontier</li> </ul> Few calculated weights/priorities are correct |
| T2 Analysis<br>(5 marks)                   | At least three attributes that have an observable influence on preferred decision are explained with proper reasoning and values.                                                                                                                                                                            | At least three attributes that have an observable influence on preferred decision are discussed with proper reasoning and values.                                                                                                                                        | At least three attributes that have an observable influence on preferred decision are summarised with proper reasoning and values.                                                                                                                                  | At least three attributes that have an influence on preferred decision are listed but with wrong or shallow discussion.                                                                                                                         | Less than three attributes are listed, most have unclear or insignificant influence on preferred decision.                                                                                                    |

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|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                 | Efficient frontiers are drawn accurately with excellent delineations.<br><br>Supporting discussions are validated with correct values and facts.                                                                                                                                            | Efficient frontiers are drawn accurately                                                                                                                                                                                                                                               | Efficient frontiers are drawn accurately.                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                      |
| T3<br>Abstract/Executive summary<br><br>(5 marks)               | <ul style="list-style-type: none"> <li>Accurately and succinctly summarises contents of the report.</li> <li>Gives the reader an excellent understanding of the report purpose and content.</li> <li>Provides a hint of managerial implication at the bottom end of the abstract</li> </ul> | <ul style="list-style-type: none"> <li>Accurately and succinctly summarises contents of the report.</li> <li>Gives the reader a clear understanding of the report purpose and content.</li> </ul>                                                                                      | <ul style="list-style-type: none"> <li>Provides an inaccurate or incomplete picture of the report.</li> <li>Gives the reader a partial understanding of the report purpose and content.</li> </ul>                                                                                       | <ul style="list-style-type: none"> <li>Provides an inaccurate or incomplete picture of the report.</li> <li>Gives the reader limited or no understanding of the report purpose and content.</li> </ul>                                                       | <ul style="list-style-type: none"> <li>Provides an inaccurate, erroneous or incomplete picture of the report.</li> <li>Gives the reader no understanding of the report purpose and content.</li> </ul>                                               |
| T3 Introduction/<br>Background to the problem<br><br>(12 marks) | <p>The introduction/ background meets the following criteria to an outstanding degree:</p> <ul style="list-style-type: none"> <li>Explains purpose of report</li> <li>Describes scope and limitations of report</li> <li>Describes methods/sources used to gather information</li> </ul>    | <p>The introduction/ background meets the following criteria to an excellent degree:</p> <ul style="list-style-type: none"> <li>Explains purpose of report</li> <li>Describes scope and limitations of report</li> <li>Describes methods/sources used to gather information</li> </ul> | <p>The introduction/ background meets the following criteria to a satisfactory degree:</p> <ul style="list-style-type: none"> <li>Explains purpose of report</li> <li>Describes scope and limitations of report</li> <li>Describes methods/sources used to gather information</li> </ul> | <p>The introduction/ background meets the following criteria to an inadequate degree:</p> <ul style="list-style-type: none"> <li>Explains purpose of report</li> <li>Describes scope and limitations of report</li> <li>Describes methods/sources</li> </ul> | <p>The introduction/ background does not meet most of the following criteria:</p> <ul style="list-style-type: none"> <li>Explains purpose of report</li> <li>Describes scope and limitations of report</li> <li>Describes methods/sources</li> </ul> |

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|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                         | <ul style="list-style-type: none"> <li>Provides necessary background information to situate readers</li> <li>Offers a preview of the findings.</li> <li>Provides a good number of academic references from recent years while documenting the research matters.</li> </ul>                      | <ul style="list-style-type: none"> <li>Provides necessary background information to situate readers</li> <li>Offers a preview of the findings.</li> </ul>                      | <ul style="list-style-type: none"> <li>Provides necessary background information to situate readers</li> <li>Offers a preview of the findings.</li> </ul>                    | <p>used to gather information</p> <ul style="list-style-type: none"> <li>Provides necessary background information to situate readers</li> <li>Offers a preview of the findings.</li> </ul> | <p>used to gather information</p> <ul style="list-style-type: none"> <li>Provides necessary background information to situate readers</li> <li>Offers a preview of the findings.</li> </ul> |
| T3 Problem Identification<br>(15 marks) | <p>Addresses a wide range of articles/papers.</p> <p>Succinctly presents the findings from the review.</p> <p>Indicates that the presenter is very well versed with the topic.</p> <p>Extensive illustration on how this problem is related to the quantitative decision analytics and why.</p> | <p>Addresses a broad range of articles/papers.</p> <p>Succinctly presents the findings from the review.</p> <p>Indicates that the presenter is well versed with the topic.</p> | <p>Addresses a limited range of articles/papers.</p> <p>Is able to present the findings from the review.</p> <p>Indicates that the presenter is well aware of the topic.</p> | <p>Addresses a few articles/papers.</p> <p>Is able to present the findings from the review.</p> <p>Indicates that the presenter is aware of the topic.</p>                                  | <p>Has only picked a couple of articles/papers.</p> <p>Is unable to present the findings from the review sensibly.</p> <p>Indicates that the presenter is not aware of the topic.</p>       |
| T3 Solution Approach<br>(10 marks)      | <p>Can propose the appropriate methodology to address the problem.</p> <p>Can explain why it is appropriate and other methodologies are not suitable.</p>                                                                                                                                       | <p>Can propose the appropriate methodology to address the problem.</p> <p>Can explain why it is appropriate and other methodologies are not suitable.</p>                      | <p>Can propose the appropriate methodology to address the problem.</p> <p>Can explain the methodology.</p>                                                                   | <p>Can propose the appropriate methodology to address the problem.</p> <p>Can suggest the possible results.</p>                                                                             | <p>Is unable to suggest an appropriate methodology to address the problem.</p> <p>Is unable to suggest the possible results and outcomes.</p>                                               |

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|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------|
|                                                           | <p>Can explain the methodology mathematically or in words.</p> <p>Can suggest the possible results and outcomes.</p> <p>Can interpret the results.</p> <p>Do have a qualitative analysis against comparing methods or approaches</p>                                                                                                                                                                                                   | <p>Can explain the methodology in words.</p> <p>Can suggest the possible results and outcomes..</p> <p>Can interpret the results.</p>                                                                                                                                                                                                  | <p>Can suggest the possible results and outcomes.</p>                                                                                                           |                                                                                  |                                                 |
| <p>T3 Interpretation of the results</p> <p>(20 marks)</p> | <p>Excellent documentation of the results.</p> <p>Different performance measures are used to validate the proposed model.</p> <p>Sensitivity analysis was carried out to justify the robustness of the models.</p> <p>Excellent comparison with the current practice and/or alternative methodologies.</p> <p>Perfect focus on the achievements.</p> <p>Detailed discussion about any possible limitations of the assumed problem.</p> | <p>Good documentation of the results.</p> <p>Different performance measures are used to validate the proposed model.</p> <p>Sensitivity analysis was carried out to justify the robustness of the model.</p> <p>Good comparison with the current practice and/or alternative methodologies.</p> <p>Good focus on the achievements.</p> | <p>Good documentation of the results.</p> <p>Different performance measures are used to validate the proposed model.</p> <p>Good focus on the achievements.</p> | <p>Good documentation of the results.</p> <p>Good focus on the achievements.</p> | <p>Incomplete documentation of the results.</p> |

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| T3 Conclusion<br>(5 mark) | Conclusions and related outcomes (consequences and implications) are logical and reflect student's informed evaluation and ability to place evidence and perspectives discussed in priority order. | Conclusion is logically tied to a range of information, including opposing viewpoints; related outcomes (consequences and implications) are identified clearly.                                                        | Conclusion is logically tied to information (because information is chosen to fit the desired conclusion); some related outcomes (consequences and implications) are identified clearly.                               | Conclusion is inconsistently tied to some of the information discussed; related outcomes (consequences and implications) are oversimplified.                                                                                     | Conclusion is not supported by the data or not evident at all.       |
| References<br>(3 marks)   | <p>The report follows a referencing style that complies with the Harvard style, and the in-text citations are made purposefully.</p> <p>Reference list is completely accurate with no errors.</p>  | <p>The report follows a referencing style that mostly complies with the Harvard style, though the in-text citations are not made purposefully.</p> <p>Reference list is incomplete and contains some minor errors.</p> | <p>The report follows a referencing style that mostly complies with the Harvard style, though the in-text citations are not made purposefully.</p> <p>Reference list is incomplete and contains some minor errors.</p> | <p>The report follows a referencing style that does not comply with the Harvard style, or only includes either the in-text citations or the reference list.</p> <p>Reference list is incomplete and contains several errors.</p> | The report includes limited or no citations and/or a reference list. |