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| **SOFTWARE DETAIL DESIGN DOCUMENT** |
| DD\_ScienceResearchGuidelineOfStude |
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| **DangNguyen** |
| **[Pick the date]** |
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1. **File list**

[*Reference to ScienceResearchGuidelineOfStude in File List*](../../HRM_File%20List.xlsx)

1. **Function list**

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| ***ListScienceResearchGuidelineOfStudeView*** |  |
| **Function** | **Description** |
| OnCellDoubleClick() | Show GUI choosen by user |

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| ***EditScienceResearchGuidelineOfStudeView*** |  |
| **Function** | **Description** |
| View\_CloseWindow() | Close GUI choosen by user |

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| ***ListScienceResearchGuidelineOfStudeViewModel*** |  |
| **Function** | **Description** |
| GetListScienceResearchGuidelineOfStudeComplete(intemployeeKey) | Get list of available data of ScienceResearchGuidelineOfStudeto List View |
| GetScienceResearchGuidelineOfStudetByKeyComplete(int id, stringkeyName) | Check SubjectManakey insertedwith available SubjectManakey in database. |
| DeleteScienceResearchGuidelineOfStudeComplete(IntScienceResearchKey) | Delete list data of ScienceResearchGuidelineOfStude from database |
| Reload() | Getavailable data of ScienceResearchGuidelineOfStude from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***EditScienceResearchGuidelineOfStudeViewModel*** |  |
| **Function** | **Description** |
| SaveScienceResearchGuidelineOfStudeComplete(IntScienceResearchKey) | Store data of ScienceResearchGuidelineOfStude to database |
| GetScienceResearchGuidelineOfStudeComplete(int id) | Get list of available data of ScienceResearchGuidelineOfStudeto Edit View |
| GetScienceResearchGuidelineOfStudeByKeyComplete(int id, stringkeyName) | Check SubjectManakey inserted with available SubjectManakey in database. |
| CheckInputData() | Check if user input wrong data or lack |
| Readload() | Get available data of ScienceResearchGuidelineOfStude from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***ExpandInformationModel*** |  |
| **Function** | **Description** |
| GetListScienceResearchGuidelineOfStudeAsync(intemployeeKey) | Get list of available data of ScienceResearchGuidelineOfStude from database to ViewlModel |
| GetScienceResearchGuidelineOfStudeAsync(int id) | Get data of ScienceResearchGuidelineOfStude from database. |
| SaveScienceResearchGuidelineOfStudeAsync(IntScienceResearchKey) | Insert data of ScienceResearchGuidelineOfStude to database. |
| DeleteScienceResearchGuidelineOfStudeAsync(IntScienceResearchKey) | Remove data of ScienceResearchGuidelineOfStude to database. |

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| ***HRMService*** |  |
| **Function** | **Description** |
| GetHRM\_ScienceResearchGuidelineOfStude(intScienceResearchKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Select transaction. |
| InsertHRM\_ScienceResearchGuidelineOfStude(intScienceResearchKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Insert transaction. |
| UpdateHRM\_ScienceResearchGuidelineOfStude(intScienceResearchKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Update transaction. |
| DeleteHRM\_ScienceResearchGuidelineOfStude(intScienceResearchKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Delete transaction. |

1. **Detail Design**
   1. Client Class Diagram



* 1. Busniess Class Diagram



* 1. Entity Diagram

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| C:\Users\DangNguyen\Desktop\HRM Image\HRM_employee.jpg | C:\Users\DangNguyen\Desktop\HRM Image\HRM_Scient.jpg |

* 1. Sequence Diagram
     1. List ScienceResearchGuidelineOfStudeDiagram



* + 1. Edit ScienceResearchGuidelineOfStudeDiagram

