

Draft 26<sup>th</sup> April 2019

# **PLAN FOR THE MD/MS RESEARCH**

## **2019-22**

**AT**  
**RAWALPINDI MEDICAL UNIVERSITY**

*Prof Muhammad Umar*  
*Prof Hamama-tul Bushra Khaar*  
*Dr Faiza Aslam*

**GANTT CHART OF ACTIVITIES REGARDING CURRENT FIRST YEAR MD/MS TRAINEES  
RESEARCH OF RMU FOR THE YEAR YEAR 2019 (May 2019- December 2019)**

| ACTIVITIES  | Persons responsible for activities | May<br>2019 | JUNE<br>2019 | JULY<br>2019 | AUG<br>2019 | SEP<br>2019 | OCT<br>2019 | NOV<br>2019 | DEC<br>2019 |
|---|------------------------------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|
| <b>Orientation session of the trainees and provision of curriculum details, log books, portfolio record book and other materials for assistance and guidance. (Till second week of May)</b>   | <i>ORIC, DME</i>                   |             |              |              |             |             |             |             |             |
| <b>Mapping of existing research capacities of trainees in each department (through structured <i>Baseline competency assessment Performa's</i> administered and collected at the orientation session) (Till 3<sup>rd</sup> week of May)</b> | <i>Research Associates, DME</i>    |             |              |              |             |             |             |             |             |
| <b>Self evaluation of the trainees at the baseline through <i>Baseline competency assessment Performa's</i></b>   | <i>Trainees</i>                    |             |              |              |             |             |             |             |             |
| <b>Evaluation of the trainees at the baseline through <i>Baseline competency assessment Performa's</i></b>  | <i>ORIC</i>                        |             |              |              |             |             |             |             |             |

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| <b>Mapping of existing research capacities of trainers (supervisors) in each department (through structured Performa administered and collected individually and personally)<br/>(Till 2nd week of May)</b> | <i>Research Associates, DME</i>                    |  |  |  |  |  |  |  |  |
| <b>Nomination of the supervisors of the trainee for the dissertation project</b>  | <i>Deans &amp; Head of departments<br/>(HODs')</i> |  |  |  |  |  |  |  |  |
| <b>Formulation of batches for rotation at ORIC</b>  | <i>Deans</i>                                       |  |  |  |  |  |  |  |  |
| <b>3 Days Basic Research Methodology Workshops.</b>   | <i>ORIC</i>  |  |  |  |  |  |  |  |  |
| <b>One Day Workshops on Undertaking a clinical Audit.</b>   | <i>ORIC</i>  |  |  |  |  |  |  |  |  |
| <b>One week's rotation during year 1 at the research unit, office of research innovation and commercialization<br/>ORIC</b>   | <i>Trainees, Director ORIC</i>                     |  |  |  |  |  |  |  |  |

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| <b>Formulation of groups of trainees for Clinical Audits as a project assignment, and topic assignment.</b>                                   | <i>Deans, HOD</i>   |  |  |  |  |  |  |  |  |
| <b>Conducting a clinical Audit in groups of three along with the supervisor and finalizing the report and its submission for publication.</b> | <i>Trainees and Supervisors</i>   |  |  |  |  |  |  |  |  |
| <b>Observation of at least 2 monthly meetings of Institutional Research Ethics Committee (IREF) of RMU</b>                                    | <i>Trainees , IREF, ORIC</i>  |  |  |  |  |  |  |  |  |
| <b>Participation in 2 monthly journal club sessions of departments (not presentation)</b>   | <i>Trainees, HOD, Deans</i>   |  |  |  |  |  |  |  |  |
| <b>Weekly meetings of the supervisor and trainees</b>   | <i>Trainees and Supervisors</i>   |  |  |  |  |  |  |  |  |
| <b>Monitoring of research related activities of the trainee</b>   | <i>Supervisors, Head of Department, Deputy Directors, DME and Director ORIC</i> |  |  |  |  |  |  |  |  |

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| <b>Regular compilation of the research section in the Structured Log books of trainees</b>                      | <i>Trainees</i>   |  |  |  |  |  |  |  |  |
| <b>Weekly monitoring of the the research section in the Structured Log books of trainees &amp; endorsement</b>  | <i>Supervisor, DME</i>  |  |  |  |  |  |  |  |  |
| <b>Monthly monitoring of the the research section in the Structured Log books of trainees &amp; endorsement</b> | <i>Director ORIC</i>  |  |  |  |  |  |  |  |  |
| <b>Annual inspection of the Structured Log books of trainees.</b>   | <i>HOD's, Deans, selected representatives of BASR, IREF, Director DME Director of ORIC, Director of Quality enhancement cell (QEC) and Vice chancellor of RMU</i> |  |  |  |  |  |  |  |  |
| <b>Regular compilation of the research section in portfolio record</b>  | <i>Trainees</i>   |  |  |  |  |  |  |  |  |
| <b>Weekly Monitoring of the research section in portfolio record and endorsement</b>                            | <i>Supervisor, DME</i>  |  |  |  |  |  |  |  |  |

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| Monthly Monitoring of the research section in portfolio record and endorsement   | <i>Director ORIC</i>  |  |  |  |  |  |  |  |  |
| Annual inspection of the research section in portfolio record and endorsement  | <i>HOD's, Deans, selected representatives of BASR, IREF, Director DME Director of ORIC, Director of Quality enhancement cell (QEC) and Vice chancellor of RMU</i> |  |  |  |  |  |  |  |  |
| Random inspection of the research section in portfolio record and log books of trainees  | <i>Representatives of BASR, IREF, Director DME Director ORIC, Director of QEC and VC of RMU</i>   |  |  |  |  |  |  |  |  |
| Assessment of performance of trainees  | <i>Facilitators at ORIC</i>   |  |  |  |  |  |  |  |  |
| Collating feedback by trainees   | <i>Trainees, ORIC</i>   |  |  |  |  |  |  |  |  |
| Collating feedback by trainers   | <i>Supervisors and facilitators at ORIC</i>   |  |  |  |  |  |  |  |  |
| One Focus group discussion of the R-Y1 trainees (to evaluate the research course, its benefits and weaknesses and scope for improvement) | <i>ORIC</i>   |  |  |  |  |  |  |  |  |

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| <b>One Focus group discussion of the facilitators (to evaluate the research course, its benefits and weaknesses and scope for improvement)</b> | <i>ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>One Focus group discussion of supervisors (to evaluate the research course, its benefits and weaknesses and scope for improvement)</b>      | <i>ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>Formulation and presentation of the final evaluation report of the Research Course R-Y1</b>   | <i>ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>Quality assurance of research course of year 1</b>  | <i>The quality Evaluation team (Head of departments, Deans, selected representatives of BASR, IREF, Director DME Director ORIC, Director Quality enhancement cell (QEC) and Vice chancellor of RMU.</i> |  |  |  |  |  |  |  |  |
| <b>Any modifications or enhancement in the next first year's Research course.</b>  | <i>Vice Chancellor and the Board of Advanced study and Research</i>   |  |  |  |  |  |  |  |  |



**GANTT CHART OF ACTIVITIES REGARDING NEXT FIRST YEAR MD/MS TRAINEES  
RESEARCH OF RMU FROM THE YEAR 2020 ONWARDS**

| <b>ACTIVITIES</b>  | <b>Persons responsible for activities</b> | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>June</b> | <b>July</b> | <b>Aug</b> | <b>Sep</b> | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> |
|--|---|------------|------------|------------|------------|------------|-------------|-------------|------------|------------|------------|------------|------------|
| <b>Orientation session of the trainees and provision of curriculum details, log books, portfolio record book and other materials for assistance and guidance.</b><br><b>(Till second week of May)</b>  | <i>ORIC, DME</i>                          |            |            |            |            |            |             |             |            |            |            |            |            |
| <b>Mapping of existing research capacities of trainees in each department (through structured Baseline competency assessment Performa's administered and collected at the orientation session)</b><br><b>(Till 3<sup>rd</sup> week of May)</b> | <i>Research Associates, DME</i>           |            |            |            |            |            |             |             |            |            |            |            |            |
| <b>Self evaluation of the trainees at the baseline through Baseline competency assessment Performa's</b>   | <i>Trainees</i>                           |            |            |            |            |            |             |             |            |            |            |            |            |
| <b>Evaluation of the trainees at the baseline through Baseline competency assessment Performa's</b>  | <i>ORIC</i>                               |            |            |            |            |            |             |             |            |            |            |            |            |





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| <b>Monitoring of research related activities of the trainee</b>   | <i>Supervisors,<br/>Head of<br/>Department,<br/>Deputy<br/>Directors,<br/>DME and<br/>Director ORIC</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Regular compilation of the research section in the Structured Log books of trainees</b>                      | <i>Trainees</i>   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Weekly monitoring of the the research section in the Structured Log books of trainees &amp; endorsement</b>  | <i>Supervisor,<br/>DME</i>  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Monthly monitoring of the the research section in the Structured Log books of trainees &amp; endorsement</b> | <i>Director ORIC</i>  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| <b>Annual inspection of the Structured Log books of trainees.</b>                     | <i>HOD's, Deans, selected representatives of BASR, IREF, Director DME Director of ORIC, Director of Quality enhancement cell (QEC) and Vice chancellor of RMU</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Regular compilation of the research section in portfolio record</b>                | <i>Trainees</i>   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Weekly Monitoring of the research section in portfolio record and endorsement</b>  | <i>Supervisor, DME</i>  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Monthly Monitoring of the research section in portfolio record and endorsement</b> | <i>Director ORIC</i>  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| <b>Annual inspection of the research section in portfolio record and endorsement</b>           | <i>HOD's, Deans, selected representatives of BASR, IREF, Director DME Director of ORIC, Director of Quality enhancement cell (QEC) and Vice chancellor of RMU</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Random inspection of the research section in portfolio record and log books of trainees</b> | <i>Representatives of BASR, IREF, Director DME Director ORIC, Director QEC and Vice chancellor of RMU</i>   |  |  |  |  |  |  |  |  |  |  |  |  |  |





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| <b>Quality assurance of research course of year 1</b>                             | <i>The quality evaluation team<br/>(Head of departments,<br/>Deans, selected representatives of BASR, IREF, Director DME<br/>Director ORIC,<br/>Director Quality enhancement cell (QEC) and Vice chancellor of RMU.</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Any modifications or enhancement in the next first year's Research course.</b> | <i>Vice Chancellor and the Board of Advanced study and Research</i>   |  |  |  |  |  |  |  |  |  |  |  |  |  |

**GANTT CHART OF ACTIVITIES REGARDING CURRENT SECOND YEAR MD/MS  
TRAINEES RESEARCH OF RMU FOR THE YEAR 2019 (May 2019- December 2019)**

| ACTIVITIES   | Persons responsible for activities | May 2019 | JUNE 2019 | JULY 2019 | AUG 2019 | SEP 2019 | OCT 2019 | NOV 2019 | DEC 2019 |
|--|------------------------------------|----------|-----------|-----------|----------|----------|----------|----------|----------|
| <b>Orientation session of the trainees and provision of curriculum details, log books, portfolio record book and other materials for assistance and guidance.</b><br>(Till second week of May)   | <i>ORIC, DME</i>                   |          |           |           |          |          |          |          |          |
| <b>Mapping of existing research capacities of trainees in each department (through structured Baseline competency assessment Performa's administered and collected at the orientation session)</b><br>(Till 3 <sup>rd</sup> week of May) | <i>Research Associates, DME</i>    |          |           |           |          |          |          |          |          |
| <b>Self evaluation of the trainees at the baseline through Baseline competency assessment Performa's</b>   | <i>Trainees</i>                    |          |           |           |          |          |          |          |          |
| <b>Evaluation of the trainees at the baseline through Baseline competency assessment Performa's</b>  | <i>ORIC</i>                        |          |           |           |          |          |          |          |          |

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| <b>Mapping of existing research capacities of trainers (supervisors) in each department (through structured Performa administered and collected individually and personally) (Till 2nd week of May)</b> | <i>Research Associates, DME</i> |  |  |  |  |  |  |  |  |
| <b>Nomination of the supervisors of the trainee for the dissertation project</b>  | <i>Deans &amp; HODs's</i>       |  |  |  |  |  |  |  |  |
| <b>Formulation of batches for rotation at ORIC</b>  | <i>Deans</i>                    |  |  |  |  |  |  |  |  |
| <b>3 Days Advanced Research Methodology Workshops.</b>  | <i>ORIC/Statisticians</i>       |  |  |  |  |  |  |  |  |
| <b>Two week's rotation during year 2 at the research unit, office of research innovation and commercialization ORIC</b>   | <i>Trainees, Director ORIC</i>  |  |  |  |  |  |  |  |  |
| <b>Observation of at least 1 monthly meeting of Institutional Research Ethics Committee (IREF) of RMU</b>   | <i>Trainees , IREF, ORIC</i>    |  |  |  |  |  |  |  |  |
| <b>Participation in 3 monthly journal club sessions of departments (and at least 1 presentation in journal club during year 2)</b>  | <i>Trainees, HOD, Deans</i>     |  |  |  |  |  |  |  |  |

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| <b>Formulation of research proposal of dissertation along with data tools and dummy tables.</b>  | <i>Trainees and ORIC staff</i>  |  |  |  |  |  |  |  |  |
| <b>Assurance of feasibility &amp; availability of resources for research projects</b>  | <i>Trainees and supervisors</i> |  |  |  |  |  |  |  |  |
| <b>Presentation of research proposal/s to Institutional Research Ethics Committee (IREF) of RMU</b>  | <i>Trainees and supervisors</i> |  |  |  |  |  |  |  |  |
| <b>Submission of research proposal to BASR of RMU and issuance of approval letter by BASR after all modifications (If recommended are approved)</b>                                      | <i>Trainees and supervisors</i> |  |  |  |  |  |  |  |  |
| <b>Institutional approval/permissions for data collection by other organizations (only if study sites are other than Teaching hospitals of RMU or community based research projects)</b> | <i>Trainees</i>                 |  |  |  |  |  |  |  |  |
| <b>Data Collection Tools finalizations, pretesting, printing and data collection initiation.</b>   | <i>Trainees and ORIC staff</i>  |  |  |  |  |  |  |  |  |
| <b>Weekly meetings of the supervisor and trainees</b>  | <i>Trainees and Supervisors</i> |  |  |  |  |  |  |  |  |

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| <b>Monitoring of research related activities of the trainee</b>   | <i>Supervisors,<br/>HOD's, Deputy<br/>Directors, DME<br/>and Director ORIC</i>  |  |  |  |  |  |  |  |
| <b>Regular compilation of the research section in the Structured Log books of trainees</b>                      | <i>Trainees</i>   |  |  |  |  |  |  |  |
| <b>Weekly monitoring of the the research section in the Structured Log books of trainees &amp; endorsement</b>  | <i>Supervisor, DME</i>  |  |  |  |  |  |  |  |
| <b>Monthly monitoring of the the research section in the Structured Log books of trainees &amp; endorsement</b> | <i>Director ORIC</i>  |  |  |  |  |  |  |  |
| <b>Annual inspection of the Structured Log books of trainees.</b>   | <i>HOD's, Deans,<br/>Representatives of<br/>BASR, IREF,<br/>Director DME<br/>Director ORIC,<br/>Director QEC and<br/>Vice chancellor of<br/>RMU</i> |  |  |  |  |  |  |  |

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| <b>Regular compilation of the research section in portfolio record</b>                         | <i>Trainees</i>  |  |  |  |  |  |  |  |  |
| <b>Weekly Monitoring of the research section in portfolio record and endorsement</b>           | <i>Supervisor, DME</i>   |  |  |  |  |  |  |  |  |
| <b>Monthly Monitoring of the research section in portfolio record and endorsement</b>          | <i>Director ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>Annual inspection of the research section in portfolio record and endorsement</b>           | <i>HOD's, Deans,<br/>Representatives of<br/>BASR, IREF,<br/>Director DME<br/>Director of ORIC,<br/>Director QEC and<br/>Vice chancellor of<br/>RMU</i> |  |  |  |  |  |  |  |  |
| <b>Random inspection of the research section in portfolio record and log books of trainees</b> | <i>Representatives of<br/>BASR, IREF,<br/>Director DME<br/>Director ORIC,<br/>Director of QEC<br/>and VC of RMU</i>                                    |  |  |  |  |  |  |  |  |

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| <b>Assessment of performance of trainees</b>  | <i>Facilitators at<br/>ORIC</i>                     |  |  |  |  |  |  |  |  |
| <b>Collating feedback by trainees</b>   | <i>Trainees, ORIC</i>                               |  |  |  |  |  |  |  |  |
| <b>Collating feedback by trainers</b>   | <i>Supervisors and<br/>facilitators at<br/>ORIC</i> |  |  |  |  |  |  |  |  |
| <b>One Focus group discussion one of the R-Y2 trainees (to evaluate the research course, its benefits and weaknesses and scope for improvement)</b> | <i>ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>One Focus group discussions of the facilitators (to evaluate the research course, its benefits and weaknesses and scope for improvement)</b>     | <i>ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>One Focus group discussions of supervisors (to evaluate the research course, its benefits and weaknesses and scope for improvement)</b>          | <i>ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>Formulation and presentation of the final evaluation report of the Research Course R-Y2</b>  | <i>ORIC</i>   |  |  |  |  |  |  |  |  |



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| <b>Quality assurance of research course of year 2</b>                              | <i>The quality Evaluation team (Head of departments, Deans, selected representatives of BASR, IREF, Director DME Director ORIC, Director Quality enhancement cell (QEC) and Vice chancellor of RMU.</i> |  |  |  |  |  |  |  |
| <b>Any modifications or enhancement in the next second year's Research course.</b> | <i>Vice Chancellor and the Board of Advanced study and Research</i>   |  |  |  |  |  |  |  |

**GANTT CHART OF ACTIVITIES REGARDING NEXT SECOND YEAR'S MD/MS TRAINEES  
RESEARCH OF RMU FROM THE YEAR 2020 ONWARDS**

| <b>ACTIVITIES</b>   | <b>Persons responsible for activities</b>           | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>June</b> | <b>July</b> | <b>Aug</b> | <b>Sep</b> | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> |
|---|---|------------|------------|------------|------------|------------|-------------|-------------|------------|------------|------------|------------|------------|
| <b>Provision of curriculum details, log books, portfolio record book and other materials for assistance and guidance for second year.</b> | <i>ORIC, DME</i>                                    |            |            |            |            |            |             |             |            |            |            |            |            |
| <b>Formulation of batches for rotation at ORIC</b>  | <i>Deans</i>  |            |            |            |            |            |             |             |            |            |            |            |            |
| <b>3 Days Advanced Research Methodology Workshops.</b>  | <i>ORIC/Statisticians</i>                           |            |            |            |            |            |             |             |            |            |            |            |            |
| <b>Two week's rotation during year 2 at the research unit, at ORIC</b>  | <i>Trainees, Director<br/>ORIC</i>                  |            |            |            |            |            |             |             |            |            |            |            |            |
| <b>Participation in 5 monthly journal club sessions of departments (and at least 2 presentation in journal club during year 2)</b>        | <i>Trainees, HOD,<br/>Deans</i>                     |            |            |            |            |            |             |             |            |            |            |            |            |
| <b>Formulation of research proposal of dissertation along with data tools and dummy tables.</b>   | <i>Trainees,<br/>Supervisors and<br/>ORIC staff</i> |            |            |            |            |            |             |             |            |            |            |            |            |



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| <b>Monitoring of research related activities of the trainee</b>   | <i>Supervisors,<br/>HOD's, Deputy<br/>Directors, DME<br/>and Director<br/>ORIC</i>  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Regular compilation of the research section in the Structured Log books of trainees</b>                      | <i>Trainees</i>   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Weekly monitoring of the the research section in the Structured Log books of trainees &amp; endorsement</b>  | <i>Supervisor, DME</i>  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Monthly monitoring of the the research section in the Structured Log books of trainees &amp; endorsement</b> | <i>Director ORIC</i>  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Annual inspection of the Structured Log books of trainees.</b>   | <i>HOD's, Deans,<br/>Representatives of<br/>BASR, IREF,<br/>Director DME<br/>Director of ORIC,<br/>Director QEC and<br/>VC of RMU</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |





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| <b>Formulation and presentation of the final evaluation report of the Research Course R-Y2</b> | <i>ORIC</i>   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Quality assurance of research course of year 2</b>  | <i>The quality Evaluation team (HODs, Deans, representatives of BASR, IREF, Director DME Director ORIC, Director QEC and VC of RMU.</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Any modifications or enhancement in the next second year's Research course.</b>             | <i>Vice Chancellor and the Board of Advanced study and Research</i>   |  |  |  |  |  |  |  |  |  |  |  |  |  |



**GANTT CHART OF ACTIVITIES REGARDING CURRENT THIRD YEAR MD/MS TRAINEES**  
**RESEARCH OF RMU FOR THE YEAR YEAR 2019 (May 2019- December 2019)**

| ACTIVITIES   | Persons responsible for activities | May 2019 | JUNE 2019 | JULY 2019 | AUG 2019 | SEP 2019 | OCT 2019 | NOV 2019 | DEC 2019 |
|--|------------------------------------|----------|-----------|-----------|----------|----------|----------|----------|----------|
| <b>Orientation session of the trainees and provision of curriculum details, log books, portfolio record book and other materials for assistance and guidance.</b><br>(Till second week of May)   | <i>ORIC, DME</i>                   |          |           |           |          |          |          |          |          |
| <b>Mapping of existing research capacities of trainees in each department (through structured Baseline competency assessment Performa's administered and collected at the orientation session)</b><br>(Till 3 <sup>rd</sup> week of May) | <i>Research Associates, DME</i>    |          |           |           |          |          |          |          |          |
| <b>Self evaluation of the trainees at the baseline through Baseline competency assessment Performa's</b>   | <i>Trainees</i>                    |          |           |           |          |          |          |          |          |
| <b>Evaluation of the trainees at the baseline through Baseline competency assessment Performa's</b>  | <i>ORIC</i>                        |          |           |           |          |          |          |          |          |

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| <b>Mapping of existing research capacities of trainers (supervisors) in each department (through structured Performa administered and collected individually and personally) (Till 2nd week of May)</b> | <i>Research Associates, DME</i>                |  |  |  |  |  |  |  |  |
| <b>Nomination of the supervisors of the trainee for the dissertation project</b>  | <i>Deans &amp; Head of departments (HODs')</i> |  |  |  |  |  |  |  |  |
| <b>Formulation of batches for rotation at ORIC</b>  | <i>Deans</i>                                   |  |  |  |  |  |  |  |  |
| <b>3 Days Basic Research Methodology Workshops.</b>   | <i>ORIC</i>                                    |  |  |  |  |  |  |  |  |
| <b>Three Days Advanced Research Methodology Workshops.</b>  | <i>ORIC</i>                                    |  |  |  |  |  |  |  |  |
| <b>One week's rotation during year 3 at the research unit, office of research innovation and commercialization ORIC</b>   | <i>Trainees, Director ORIC</i>                 |  |  |  |  |  |  |  |  |
| <b>Observation of at least 1 monthly meetings of Institutional Research Ethics Committee (IREF) of RMU</b>  | <i>Trainees , IREF, ORIC</i>                   |  |  |  |  |  |  |  |  |
| <b>Formulation of research proposal of dissertation along with data tools and dummy tables.</b>   | <i>Trainees, Supervisors and ORIC staff</i>    |  |  |  |  |  |  |  |  |

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| <b>Assurance of feasibility &amp; availability of resources for research projects</b>  | <i>Trainees and Supervisors</i> |  |  |  |  |  |  |  |  |
| <b>Presentation of research proposal/s to Institutional Research Ethics Committee (IREF) of RMU</b>  | <i>Trainees and Supervisors</i> |  |  |  |  |  |  |  |  |
| <b>Submission of research proposal to BASR of RMU and issuance of approval letter by BASR after all modifications (If recommended are approved)</b>                                      | <i>Trainees and Supervisors</i> |  |  |  |  |  |  |  |  |
| <b>Institutional approval/permissions for data collection by other organizations (only if study sites are other than Teaching hospitals of RMU or community based research projects)</b> | <i>Trainees</i>                 |  |  |  |  |  |  |  |  |
| <b>Data Collection Tools finalizations, pretesting, printing and data collection initiation along with compilation of Data entry sheets</b>  | <i>Trainees and ORIC staff</i>  |  |  |  |  |  |  |  |  |
| <b>Data entry and analysis of research projects for dissertation</b>   | <i>Trainees and ORIC staff</i>  |  |  |  |  |  |  |  |  |
| <b>Weekly meetings of the supervisor and trainees</b>  | <i>Trainees and Supervisors</i> |  |  |  |  |  |  |  |  |

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| <b>Monitoring of research related activities of the trainee</b>   | <i>Supervisors, HOD's, Deputy Directors, DME and Director ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>Regular compilation of the research section in the Structured Log books of trainees</b>                      | <i>Trainees</i>  |  |  |  |  |  |  |  |  |
| <b>Weekly monitoring of the the research section in the Structured Log books of trainees &amp; endorsement</b>  | <i>Supervisor, DME</i>   |  |  |  |  |  |  |  |  |
| <b>Monthly monitoring of the the research section in the Structured Log books of trainees &amp; endorsement</b> | <i>Director ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>Annual inspection of the Structured Log books of trainees.</b>   | <i>HOD's, Deans, Representatives of BASR, IREF, Director DME Director ORIC, Director QEC and VC of RMU</i> |  |  |  |  |  |  |  |  |
| <b>Regular compilation of the research section in portfolio record</b>  | <i>Trainees</i>  |  |  |  |  |  |  |  |  |
| <b>Weekly Monitoring of the research section in portfolio record and endorsement</b>                            | <i>Supervisor, DME</i>   |  |  |  |  |  |  |  |  |

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| <b>Monthly Monitoring of the research section in portfolio record and endorsement</b>            | <i>Director ORIC</i>  |  |  |  |  |  |  |  |  |
| <b>Annual inspection of the research section in portfolio record and endorsement</b>             | <i>HOD's, Deans, selected representatives of BASR, IREF, Director DME Director of ORIC, Director of Quality enhancement cell (QEC) and Vice chancellor of RMU</i> |  |  |  |  |  |  |  |  |
| <b>Random inspection of the research section in portfolio record and log books of trainees</b>   | <i>Representatives of BASR, IREF, Director DME Director ORIC, Director of QEC and VC of RMU</i>   |  |  |  |  |  |  |  |  |
| <b>Assessment of performance of trainees</b>   | <i>Facilitators at ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>Collating feedback by trainees</b>  | <i>Trainees, ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>Collating feedback by trainers</b>  | <i>Supervisors and facilitators at ORIC</i>   |  |  |  |  |  |  |  |  |
| <b>One Focus group discussion one of the R-Y3 trainees (to evaluate the research course, its</b> | <i>ORIC</i>   |  |  |  |  |  |  |  |  |



**GANTT CHART OF ACTIVITIES REGARDING NEXT THIRD YEAR MD/MS TRAINEES  
RESEARCH OF RMU FOR THE YEAR YEAR 2020 ONWARDS**







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| Weekly monitoring of the the research section in the Structured Log books of trainees & endorsement  | <i>Supervisor, DME</i>   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Monthly monitoring of the the research section in the Structured Log books of trainees & endorsement | <i>Director ORIC</i>   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Annual inspection of the Structured Log books of trainees.   | <i>HOD's, Deans, Representatives of BASR, IREF, Director DME Director ORIC, Director QEC and VC of RMU</i> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Regular compilation of the research section in portfolio record                                      | <i>Trainees</i>  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Weekly Monitoring of the research section in portfolio record and endorsement                        | <i>Supervisor, DME</i>   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| <b>Monthly Monitoring of the research section in portfolio record and endorsement</b>          | <i>Director ORIC</i>  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Annual inspection of the research section in portfolio record and endorsement</b>           | <i>HOD's, Deans, selected representatives of BASR, IREF, Director DME Director of ORIC, Director of Quality enhancement cell (QEC) and Vice chancellor of RMU</i> |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Random inspection of the research section in portfolio record and log books of trainees</b> | <i>Representatives of BASR, IREF, Director DME Director ORIC, Director of QEC and VC of RMU</i>   |  |  |  |  |  |  |  |  |  |  |  |  |





**GANTT CHART OF ACTIVITIES REGARDING NEXT FOURTH YEAR MD/MS TRAINEES  
RESEARCH OF RMU FOR THE YEAR YEAR 2020 ONWARDS**











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| <b>Weekly Monitoring of the research section in portfolio record and endorsement</b>           | <i>Supervisor,<br/>DME</i>  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Monthly Monitoring of the research section in portfolio record and endorsement</b>          | <i>Director ORIC</i>  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Annual inspection of the research section in portfolio record and endorsement</b>           | <i>HOD's, Deans,<br/>representatives<br/>of BASR, IREF,<br/>Director DME<br/>Director of<br/>ORIC, Director<br/>QEC and VC of<br/>RMU</i> |  |  |  |  |  |  |  |  |  |  |  |
| <b>Random inspection of the research section in portfolio record and log books of trainees</b> | <i>Representatives<br/>of BASR, IREF,<br/>Director DME<br/>Director ORIC,<br/>Director of QEC<br/>and VC of RMU</i>                       |  |  |  |  |  |  |  |  |  |  |  |



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| <b>One Focus group discussion of the R-Y4 trainees (to evaluate the entire research course, its benefits and weaknesses and scope for improvement)</b>                | <i>ORIC</i> |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>One Focus group discussion of the facilitators (to evaluate the research course of 4<sup>th</sup> year, its benefits and weaknesses and scope for improvement)</b> | <i>ORIC</i> |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>One Focus group discussion of the facilitators (to evaluate the entire research course, its benefits and weaknesses and scope for improvement)</b>                 | <i>ORIC</i> |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>One Focus group discussion of supervisors (to evaluate the research course of fourth year, its benefits and weaknesses and scope for improvement)</b>              | <i>ORIC</i> |  |  |  |  |  |  |  |  |  |  |  |  |

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| <b>One Focus group discussion of the supervisors (to evaluate the entire research course, its benefits and weaknesses and scope for improvement)</b> | <i>ORIC</i>  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Formulation and presentation of the final evaluation report of the Research Course R-Y4</b>   | <i>ORIC</i>  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Formulation and presentation of the final evaluation report the entire last 4 years research course</b>   | <i>ORIC</i>  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Quality assurance of research course of year 4</b>  | <i>The quality Evaluation team (HOD, Deans, Representatives of BASR, IREF, Director DME Director ORIC, Director QEC and VC of RMU.</i> |  |  |  |  |  |  |  |  |  |  |  |  |

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| <b>Any modifications or enhancement in the next fourth year's Research course.</b> | <i>Vice Chancellor and the Board of Advanced study and Research</i> |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Any modifications or enhancement in the entire 4 years research course,</b>     | <i>Vice Chancellor and the Board of Advanced study and Research</i> |  |  |  |  |  |  |  |  |  |  |  |  |

**The end**