

Certificate Course in “Research Vitals for Ph.D. Scholars”

Course Coordinator: Dr. Ranita Ghosh Dastidar

Email: ranita.gd@manipal.edu



Certificate Course in “Research Vitals for Ph.D. Scholars”

PROGRAM STRUCTURE

Total Credits: 2 for new Ph.D. scholar

Minimum passing grade: C

Total Credit: 1 for continuing sessions for mandatory participation in Research Talk Series

DAC requirements (via. proper channel through Dean, KMC, Manipal) should include this as **mandatory** certificate course **half yearly** for Ph.D. scholars. This course will be held at a fixed time and day throughout the year.

1. Duration of the program: Half yearly Jan-June & July-Dec

2. Syllabus: See below

3. Attendance: Mandatory DAC requirement every half-yearly

i) New Ph.D. scholars - Mandatory to attend 5 out of 6 talks and all sessions of workshop

ii) Continuing Ph.D. scholars of KMC, Manipal – Mandatory DAC requirement to participate in Research Talk Series and quarterly quizzes

4. Examination pattern: Quaterly quizzes for research talk series and Peer review in workshop

5. Minimum for pass: C

6. Number of attempts: Ongoing throughout Ph.D. as per mandatory DAC requirement for KMC, Manipal; Optional for other new Ph.D. scholars of MAHE

7. Reference list of books & journals: As per speakers and workshops

8. Collaborations with other departments Institutions: All departments in KMC, Manipal

9. Prospects:

Research orientation; Networking for research; Future postdoctoral opportunities in guest speakers laboratories/ industry ties; Generation of research environment; Promotion of peer discussions; Hands-on grant writing workshop where student can write a real grant for submission at national level granting agency (e.g. ICMR) if the group can be created in that manner; Building Mentor and Mentee relationships.

Grading Criteria – Minimum of Grade C should be scored:

Grade A+ – 85% and above

Grade A – 75% - 84.9%

Grade B – 65% - 74.9%

Grade C – 55% - 64.9%

Grade D – 50% - 54.9%

Grade F – Below 50%

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Grading Pattern and Checklist for Ph.D. Scholars: (Half Yearly Jan-June and July-Dec)

% of Total Score	45% 2 hours + Prep Time	5% 6 hours	40% 12 hours	10% 4 hours
	Research Focus Talk Series	Research Focus Talk Series Participation	* Team Grant Writing Workshop	# Grant Writing Peer Review
	Quarterly Quizzes (ASSESSMENT 1)	5 out of 6	(ASSESSMENT 2)	
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

***Team Grant Writing Workshop**

Each group consists of 3-4 students. Committee creates the groups. Each group leader emails us 3 problem statements as priority 1, 2 & 3 that they choose from our list of topics or bring up on their own.

Format for Final Grant Report (Assessment 2 – 40 pts)

1. Title of the investigatory project (short and concise)
2. Rationale (100 words)
3. Novelty (100 words)
4. Research Plan (1000 words)
 - a. Specific Aims
 - b. Methodology
 - c. Outcomes or scope
 - d. Timeline
 - e. Budget
 - f. References

Grading Rubric for Grant Report

1. Title of the investigatory project (short and concise) – 5 points
2. Rationale (100 words) – 10 points
3. Novelty (100 words) – 10 points
4. Research Plan (1000 words) – 15 points
5. Peer Review – 10 points (Should review 3 reports)

Peer Review Sheet: Circle the pts that you think the group deserves under each section:

	Excellent	Satisfactory	Unclear
Title	5 pts	4 pts	3 pts
Rationale	10 pts	7 pts	5 pts
Novelty	10 pts	7 pts	5 pts
Research Plan	15 pts	10 pts	7 pts
Peer Review	10 pts (3 reports reviewed appropriately)	7 pts (2 reports reviewed appropriately)	5 pts (1 report reviewed appropriately)

Monthly Plan – Meet every second Fri of the month, 11 am – 1 pm at Discussion Hall in Faculty Rooms Building, KMC, Manipal

- Month 1 (Jan, July) – Introduce to grant writing and grading protocol, make groups, choose topic; Assignment – Finalize title
- Month 2 (Feb, Aug) – Finalize title, work on rationale and novelty
- Month 3 (March, Sep) – Work on Research Plan
- Month 4 (April, Oct) – Work on Research Plan
- Month 5 (May, Nov) – Peer Review
- Month 6 (June, Dec) – Peer Review