MULTIMEDIA UNIVERSITY

GRADUATE RESEARCH ASSISTANT (GRA) SCHEME
(Masters and Ph.D. by Research)

(11 Immediate GRA vacancies (Refer to attachment for GRA project title)

- Open for fulltime postgraduate study by research at MMU.
- Applicants must have CGPA of 3.0 or better.
- Applicants must demonstrate research interest in proposed research projects.
- Tuition fee will be waived and no bond is required. Applicants who fail to meet the MMU postgraduate requirements (eg. failure to submit thesis) will forfeit their scholarship and must refund all monies paid to them back to MMU.
- Successful applicants will be paid a monthly allowance of:
  (1) Masters: RM1800 to RM2100 for a duration of 2 years on an annual renewal basis
  (2) Ph.D.: RM2300 to RM2500 for a duration of 3 years on an annual renewal basis
- Successful applicants are required to work between 6 to 8 hours per week in the university.

Contact: R&D Division

Mr. Daryl   Tel: 03-8312 5020, email: cklim@mmu.edu.my

All information details and application forms can be obtained in our website:
http://research.mmu.edu.my/rmc/node/32
Graduate Research Assistant (GRA) Scheme (No: 2/2009)  
(No:1/2011) - update

Multimedia University

INTRODUCTION

The Graduate Research Assistant (GRA) Scheme is introduced to drive research activity in Multimedia University (MMU) in particular the R&D Roadmap initiatives of MMU by providing financial support for postgraduate studies in MMU. The process starts with the submission of a proposal by faculty member who will be the thesis supervisor of the GRA. The proposals will be reviewed by a technical committee and recommended. Selected proposals will be announced on the R&D Website for GRA Applications. Successful GRA applicants will carry out their research in accordance to the approved proposal. The GRA Scheme recipient will sign an agreement with MMU in order to receive the funding assistance. The GRA are required to contribute to the university by assisting the faculty or other departments of the university for 6 to 8 hours per week. Preference for this scheme is given to Malaysian students, however, international students with a first class honors are encouraged to apply.

Call for proposals

(a) For Project Supervisors

1. The R&D Division will announce the “Call for Project Proposals” on the R&D Website.
2. A project supervisor who has a research project/proposal and is looking for a postgraduate student to supervise for either Masters or Ph.D. degree in MMU must submit the proposal within the specified time period.
3. A project supervisor submits the application by submitting the application form, “Project Supervisor Application for Graduate Research Assistant (GRA) Scheme” to the Research Management Centre (RMC) through the Faculty R&D Committee.
4. The application will be processed by the Faculty R&D Committee and endorsed by the Internal Selection Committee formed by R&D Division, MMU.
5. Successful proposals will be announced on the R&D Website and the call for applications for graduate applicants will also be announced similarly.
(b) Criteria for Selection
1. Project Supervisor and Co-Supervisor have proven track record in the proposed project.
2. Only a Ph.D holder may supervise a GRA for a project.
3. Project/proposal in-line with MMU R&D Roadmap and initiatives.

Call for Applicant

(a) The call
1. R&D Division will announce the “Call for Graduate Research Assistant Application” on the R&D Website.
2. A Graduate applicant selects a project to work on for the postgraduate degree in MMU.
3. A Graduate applicant submits the application to the Research Management Centre (RMC) by filling up the application form, “Graduate Research Assistant Scholarship Application Form”.
4. Shortlisted candidates will be assessed and interviewed.
5. Successful candidates will be notified.

(b) Criteria to adhere for Graduate Research Assistant (GRA)
1. Fulfill the admission criteria for postgraduate studies in MMU;
2. Attend an interview;
3. Show research capability in the proposed research project;
4. Applicants must have CGPA of 3.0 or better.

TERMS AND CONDITIONS FOR GRADUATE ASSISTANTS

1. Successful applicant will be paid a monthly allowance of:
   a. Masters: RM1,800 to RM2,100 for a duration of 2 years on annual renewal basis.
   b. Ph.D.: RM2,300 to RM2,500 for a duration of 3 years on annual renewal basis.
2. Duties/responsibilities include:
   a. Comply with the Postgraduate rules and regulations, and to progress on research activities according to milestones set by the supervisor;
   b. Comply with work assignments: required to work for up to 6 hours for Masters and 8 hours for Ph.D. on assisting the faculties or other departments of the university.
3. Appointment
   a. GRAs will be required to sign an Agreement with MMU;
   b. All GRAs must register for a postgraduate programme by research in MMU;
   c. Tuition fee waiver will be given to the GRAs, based on the policies set by the university;
d. The appointment is on an annual basis and shall subject to an annual renewal;
e. An extension of the appointment shall be considered for a maximum of a half-year for Masters and one year for Ph.D.;
f. GRAs will be assessed annually by:
   (a) Supervisor on progress
   (b) IPS – for performance evaluation and compliance of postgraduate rules in MMU
   (c) Faculty – for faculty tasks and assignments

4. Termination
   a. A GRA who is terminated will be required to reimburse all monies which have been paid by MMU to the GRA throughout the duration of the appointment within thirty (30) days from the date of termination.
   b. Conditions for termination:
      (a) Fails to submit the thesis within the candidature period;
      (b) Unsatisfactory performance in performing job-related tasks as required by the Faculty;
      (c) Unsatisfactory progress as per the project Gantt Chart or milestones set at the commencement of the appointment.
<table>
<thead>
<tr>
<th>No.</th>
<th>Title of Proposal</th>
<th>Faculty</th>
<th>Supervisor</th>
<th>Co-Supervisor</th>
<th>Postgraduate Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Development of a Ground Penetrating Radar (GPR) Wireless Device for Pavement Moisture Measurement</td>
<td>FOE</td>
<td>Dr. Mardeni Roslee</td>
<td>Dr. Nurul Nadia Ahmad</td>
<td>P</td>
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<tr>
<td>2</td>
<td>Multi-Touch Image Analysis and Object Recognition</td>
<td>FOE</td>
<td>Dr. R Logeswaran</td>
<td>Mr. Cheong Soon Nyean</td>
<td>M</td>
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<tr>
<td>3</td>
<td>Investigation of Elliptical Step-Index Fibre with Helix Under slow-wave consideration</td>
<td>FOE</td>
<td>Dr. Deepak Kumar</td>
<td>Prof. Pankaj Kumar Choudhury</td>
<td>P</td>
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<td>4</td>
<td>Flexible and Transparent Organic thin-film transistor based Non-Volatile Memory (OTFT-NVM)</td>
<td>FOE</td>
<td>Dr. Wong Hin Yong</td>
<td>Dr. Chan Kah Yoong</td>
<td>M</td>
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<tr>
<td>5</td>
<td>Solution-processed Transparent Transistors</td>
<td>FOE</td>
<td>Dr. Chan Kah Yoong</td>
<td>Dr. Wong Hin Yong</td>
<td>M</td>
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<td>6</td>
<td>On the Properties and Applications of Invariant Wavelet Transforms: A study on the Properties and Applications of Invariant Wavelet Transforms</td>
<td>FOE</td>
<td>Dr. Lim Wee Keong</td>
<td>To be proposed</td>
<td>M</td>
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<td>7</td>
<td>Design and Performance Analysis of A New Monitor Placement Algorithms for All-Optical Networks</td>
<td>FIT</td>
<td>Dr. Tan Saw Chin</td>
<td>Dr. Ho Chin Kuan</td>
<td>M</td>
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<td>8</td>
<td>The Usability of Customizable Awareness for Mobile User The adaptive Mobile awareness cues systems for smartphone users</td>
<td>FIT</td>
<td>Dr. Lim Tek Yong</td>
<td>Dr. Haw Su Cheng</td>
<td>M</td>
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<td>9</td>
<td>Synthesis of GHz band-frequency soft ferrites/materials and fabrication of integrated devices by sol-gel technique.</td>
<td>FET</td>
<td>Dr. Soullah Zahi</td>
<td>Dr. Dirk Gerhard Rilling</td>
<td>P</td>
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<td>10</td>
<td>Intelligent real-time auto-probing for breast cancer detection by Magnetic Resonance Imaging (MRI)</td>
<td>FET</td>
<td>Dr. Sim Kok Swee</td>
<td>To be proposed</td>
<td>M</td>
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<tr>
<td>11</td>
<td>Effective Trespasser and Faint Detection Algorithm for Omnidirectional Surveillance System in i-Habitat</td>
<td>FET</td>
<td>Mr. Wong Wai Kit</td>
<td>Dr. Chan Yee Kit</td>
<td>M</td>
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