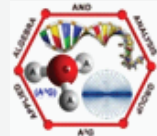


GROUPS, ALGORITHMS AND PROGRAMMING (GAP) WORKSHOP 2016



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Faculty of
Science



25 & 26 AUGUST 2016

INTRODUCTION

Groups, Algorithms, and Programming (GAP) software is a computer algebra system that provides a platform to do computational discrete mathematics. Its primary purpose is to do computational group theory but it also can deal with many other algebraic systems including groups, rings and polynomials. The overall strategy is to have one system or platform where all of this computation can be carried out and data structures shared.

Who can register for the workshop?

Lecturers / Researchers
Students (Postgraduate / Undergraduate)
Professionals



BLOCK C22, UTM JOHOR BAHRU,
JOHOR, MALAYSIA

WORKSHOP OBJECTIVES

- * We aim to facilitate participants to use GAP in their research.
- * New to GAP?
You will get a thorough introduction and will learn to make great research.
- * Already know some GAP?
We will help you move to the next level
- all the stuff you wished you could do but could not work out how to.

SPEAKER



Dr. Sheila Ilangovan
Assistant Professor,
Foundation of Science,
Faculty of Science,
The University of Nottingham
Malaysia campus,
Jln. Broga, 43500 Semenyih,
Selangor.

REGISTRATION DEADLINE

21 AUGUST 2016

REGISTRATION FEES
RM200 per person

(Covers all meals, certificate and workshop materials including a GAP book)

Limited to 30 participants only!!

ORGANIZED BY

Applied Algebra and Analysis Group (AAAG)
UTM Johor Bahru
In collaboration with
Department of Mathematical Sciences
Faculty of Science, UTM Johor Bahru

PROGRAM TENTATIVE

25 August 2016 (Thursday)

- 8.30 am : Registration
9.00 am : Part 1: An Introduction to GAP
Part 2 : A First session with GAP
- Expressions, Integers & Rationals,
Operations
10.00 am : Tea Break
10.30 am : Part 3 : Groups in GAP & Relations
- Finite Group, Subgroup, Cyclic
Subgroups, Permutation Group
- Variables, Data Structures & Domains
12.30 pm : Lunch & Break/Solat
2.00 pm : Part 4: Programming in GAP
- Loop, If-statement, Functions
3.00 pm : Part 5: Use of GAP in Conjugacy
Classes
4.30 pm : Afternoon tea

26 August 2016 (Friday)

- 8.30 am : The use of GAP in your Research I
10.00 am : Tea Break
10.30 am : The use of GAP in your Research II
12.00 pm : Certificate presentation and lunch

For more information and would like to participate, please contact us :

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http://science.utm.my/aaag/gap-2016/