



### Practical Assignment P24IFM-06

Due: 12 April 2024, 08:00

Competence Checklist (Your Practical Should Demonstrate the Following)

# Subroutines	#UJGrid Control
# Functions	#Arrays

### INSTRUCTIONS/WARNINGS

- No complete accompanying design (on paper), no mark
- No upload on Eve, no mark
- Plagiarism, no mark
- All classes must begin with the following comment (completed with relevant information)
- Name this project `sStudentNumber_P24IFM_06`

```
' *****  
' Surname, Initials:  
' Student Number:  
' Practical: P24IFM-06  
' Class name: (this is the name of the form you are working on)  
' *****
```

### PROBLEM

The University of Johannesburg is going to have SRC Elections soon. They have approached you to help design and develop an electronic voting system tracker. The university has decided to track how many students voted across all four campuses (APK, DFC, SWC, APB).

Your program needs to:

- Record the number of students who voted at a certain campus.
  - This figure must be added to the relevant campus (You can use numbers to represent each campus).
- The Total number of students who voted across all 4 campuses should be calculated.
- The average must be calculated.

### Bonus

- The campus with the most votes must be determined (display in a textbox).
- The campus with the lowest votes must be determined (display in a textbox).

## MARKSHEET

Design (on paper)	5
User Interface	5
Input for arrays (not sequential & error handling) (10) Correctness (10)	20
Processing and display of input (10) Correctness (10)	20
Calculation and display of Total (3) Correctness (3)	6
Calculation and display of Average (3) Correctness (3)	6
Effective use of a subroutine (3) Correctness (3)	6
Effective use of a function (3) Correctness (3)	6
Programming Style (use of comments, readability of code)	6
Total	80
Bonus	20