

# SCIENTIFIC RESEARCH AT KFUPM

## AN OVERVIEW

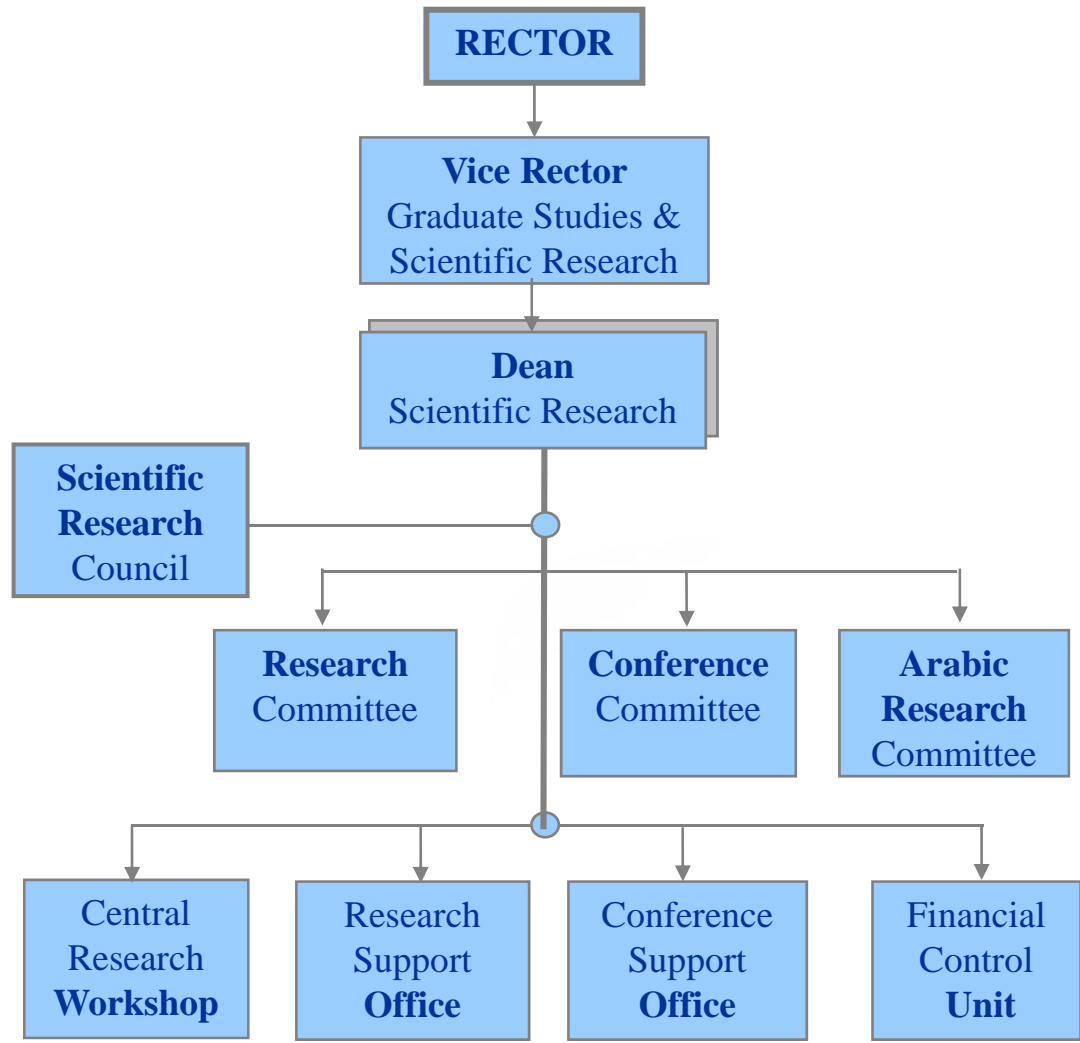
Dr. Mohammad S. Al-Homoud



# Outline

- **Overview**
- **Research Grants**
- **Conference Support**
- **Other Support**
- **DSR Strategic Plans**
  - **Vision**
  - **Mission**
  - **Goals**
- **Achievements/Initiatives**
- **Statistics**
- **Final Note**





**DSR Organization Chart**



# Strategic Plan

## Vision

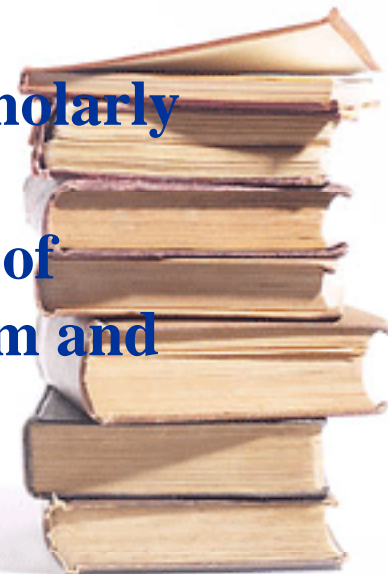
**To establish conducive research environment and support that enable KFUPM take an international leadership role in innovative and quality research in cutting edge knowledge and technologies in key areas of significant socio-economic impact.**



# Strategic Plan

## Mission

**To provide a stimulating environment and continuous support that empowers KFUPM faculty and researchers to enhance its national, regional and international leadership in quality research and scholarly activities in science, engineering, management and other related fields of significant importance to the Kingdom and worldwide.**



# Strategic Plan

## Goals:

The DSR works towards achieving its mission and vision through the following goals:

### **Goal #1: Efficiency and Effectiveness**

Establish well structured, efficient and effective research management process  
University-wide

### **Goal #2: Research Environment**

Promote conducive research environment  
University-wide.



# Strategic Plan

## Goals (cont.):

### **Goal #3: Research Productivity and Quality**

Enhance research productivity and quality

### **Goal #4: Research Directions**

Identify and promote areas of research priorities to the Kingdom and worldwide

### **Goal #5: Reach Out**

Reach out to all scientific research constituents

### **Goal #6: Human Resources**

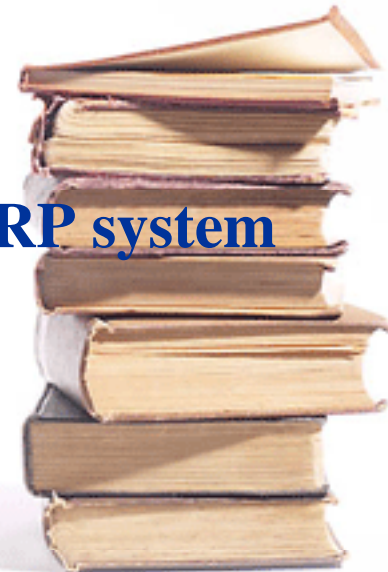
Recruit and retain highly qualified research support staff



# Achievements/New Initiatives

## Goal #1: Efficiency and Effectiveness

- **Automation of all Research Management Processes:**
  - **Online e-review system**
  - **Rich reviewers data base**
  - **Research projects database**
  - **Link to and implementation of the ERP system**





# Achievements/New Initiatives

## Goal #1: Efficiency and Effectiveness (Cont.)

- **Automation of all Research Management Processes:**

### Results:

- **Efficient review process (as quick as two weeks)**
- **Effective monitoring and follow-up**
- **Proper selection of reviewers**
- **Increased transparency and accountability.**
- **More effective and efficient decision making.**



# Achievements/New Initiatives

**Goal #2: Research Environment**

**Goal #3: Research Productivity and Quality**

- **Review of all policies and guidelines**
- **New Incentives:**
  - **Best Project Awards**
  - **Research Team Incentive**
  - **Distinguished Professor Award**
  - **Research Medal Award**
  - **Active Researchers Incentive**
  - **Research training and awareness**



# Achievements/New Initiatives

## Goal #4: Research Directions

- **New guidelines for supporting research groups:**
  - **Seed money**
  - **Equipment support**
  - **International linkages (visits) support**
  - **Conference attendance support**
  - **Post-doc support**



# Achievements/New Initiatives

## Goal #5: Reach Out

- **Comprehensive and updated website**
- **English and Arabic brochures**
- **Arabic newsletter**
- **E-data base**
- **Research bulletin**
- **Workshops and seminars**



# Achievements/New Initiatives

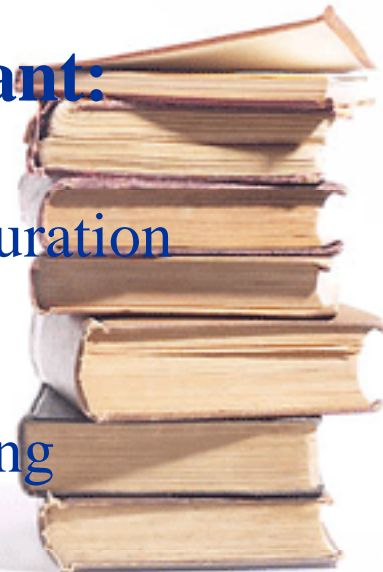
## Goal #6: Human Resources

- Recruiting more staff
- Staff training
- Incentives for retaining qualified staff
- Research support staff through different grants



# Research Grants

- **Internal Research Grants:**
  - The main research grant with flexible budget and duration.
  - Proposals invited twice a year.
  - Cyclic review process.
- **SABIC & Fast Track Research Grant:**
  - Limited in budget and duration.
  - The budget is less than SR 75,000 and duration does not exceed 18 months.
  - Proposals invited once a year.
  - Competition-based with numerical scoring criteria



# Research Grants

- **Book writing/translation projects**
  - English book-writing
  - Arabic book writing/translation
- **Sabbatical leave projects**
  - One year sabbatical project
  - One semester release time.



# Research Grants

- **Junior Faculty Research Grant:**
  - One time, 11 month, SR 50,000 start-up grant
  - For junior assistant professors who obtained their PhD within two years of joining KFUPM.
- **Societal Studies Grant:**
  - Research topics of relevance to the Saudi society.
  - Enhances KFUPM role in meeting societal needs.





# International Scholar Programs

- **British Council Summer Program**
  - Post-Doctoral two summer months research program
  - For Saudi faculty in British universities.
  - Fixed financial grant by the BC
  - Additional financial support from KFUPM.
- **Fulbright Scholarship Program**
  - Post-Doctoral research grant
  - For Saudi faculty US universities.
  - Three months to one year duration.
- **Similar Scholarship Programs**



# Conference Support

*Faculty are eligible for a total of up to three conferences per year:*

## **1. International Conference Based on:**

- a. Presentation of a paper OR**
- b. Published paper (over the past two years) OR**
- c. Invited keynote speaker**



# Conference Support

## 2. International Conference Based on:

Presentation from an approved funded project.

## 3. GCC Conference:

Based on presentation of paper in a high quality conference of relevance to the region.



## **Other Support/Incentives**

- **Publication cost support.**
- **Research visits support through projects.**
- **Best Researcher Award**



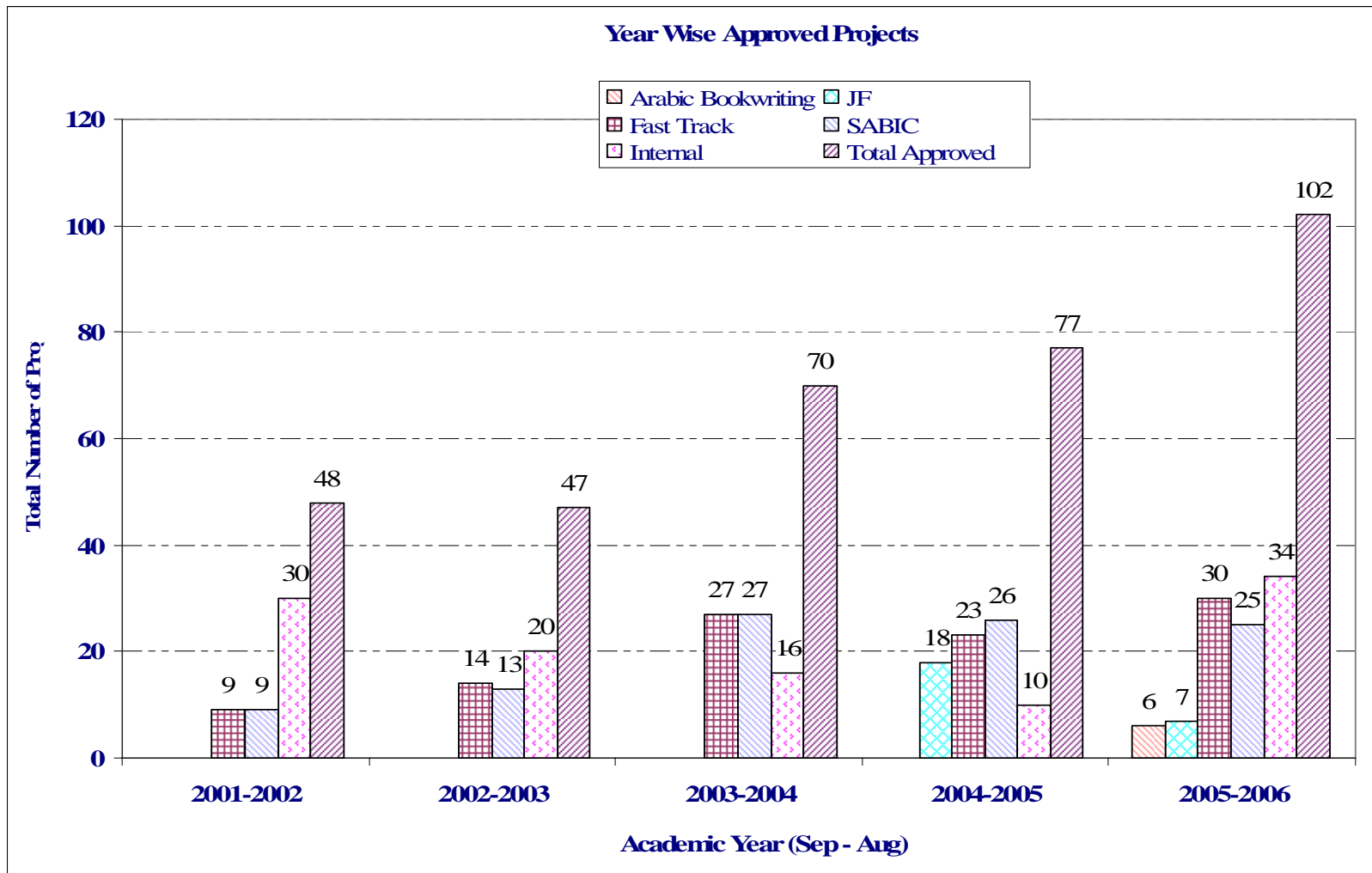
# Statistics

**Last year (2005/2006) efforts resulted in:**

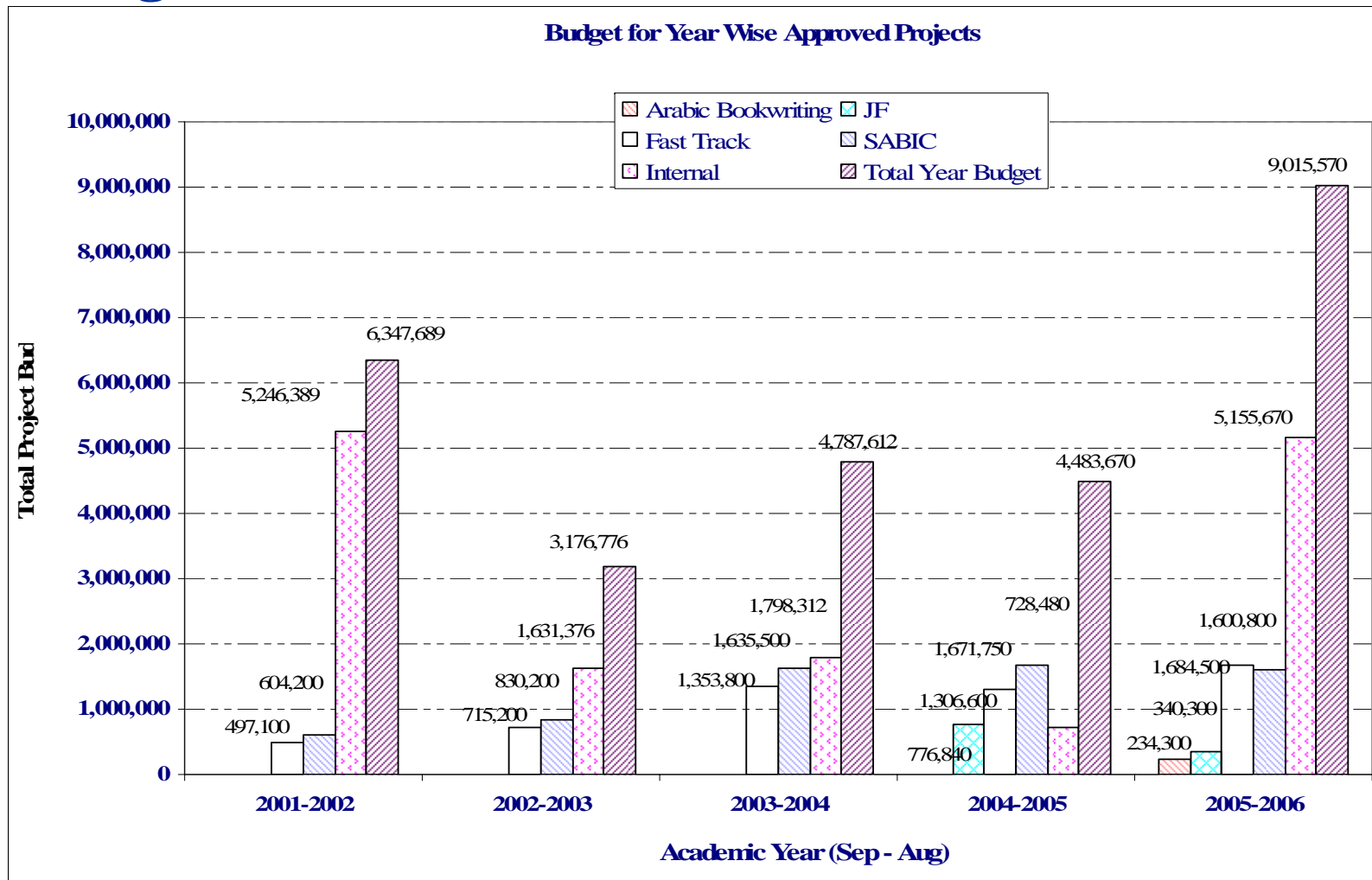
- **Efficient processing of research proposals**
- **Clearance of all pending projects**
- **Activation of Arabic research projects**
- **Increase of about 33% in the number of approved projects.**
- **Increase of more than 100% in budget allocation.**



# Research Statistics: University-wide Number of Projects

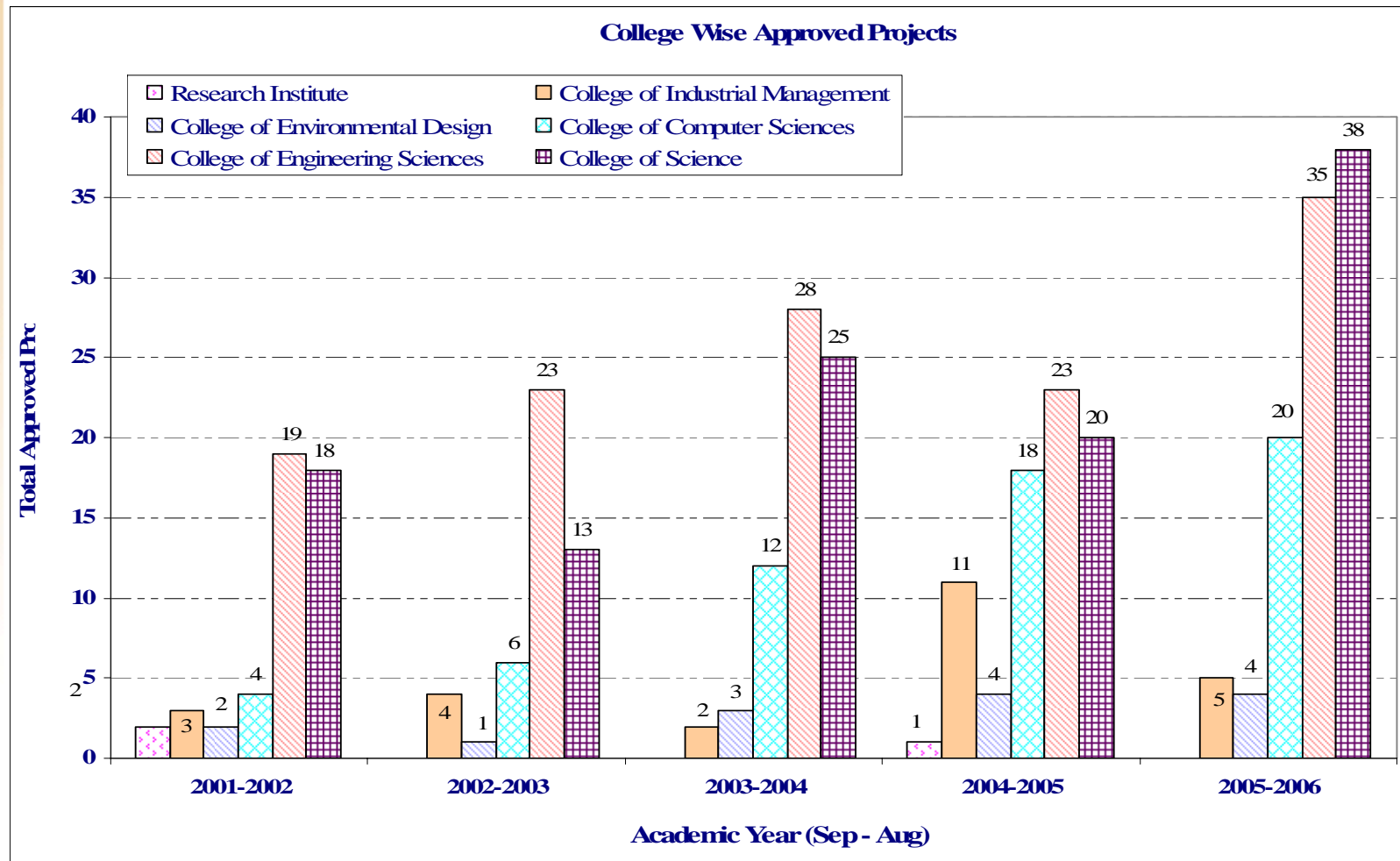


# Research Statistics: University-wide Budgets



# Research Statistics: By College

## Number of Projects

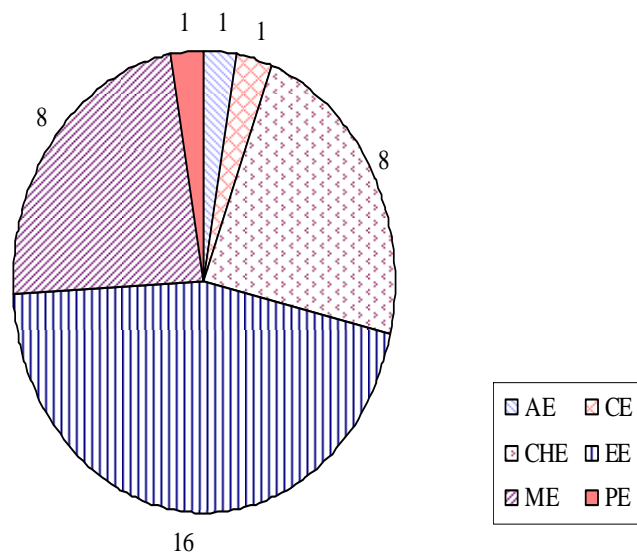




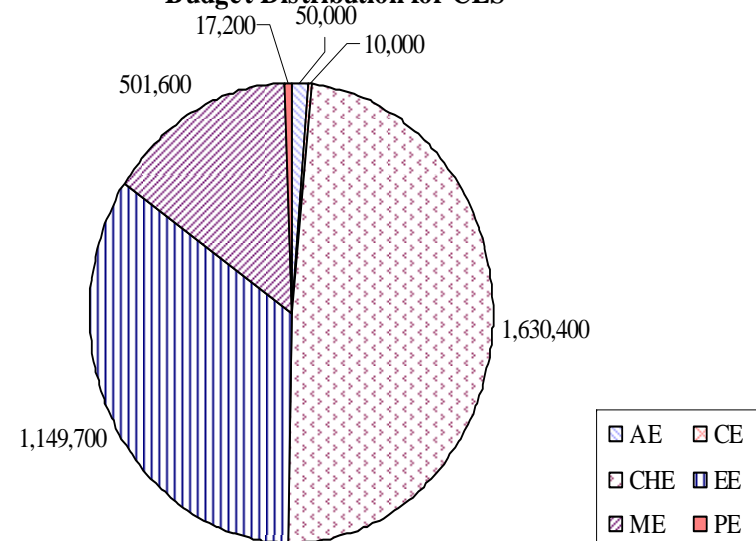
# Research Statistics: By Department

## College of Engineering

Project Distribution for CES

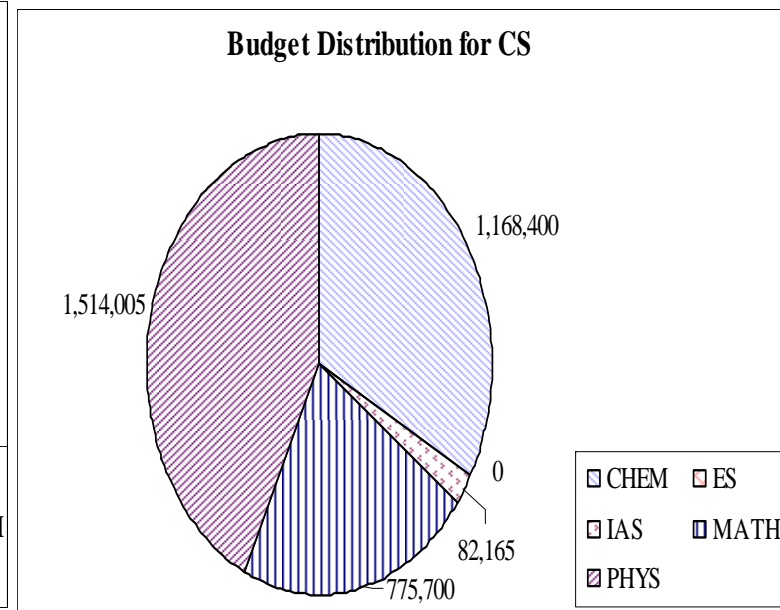
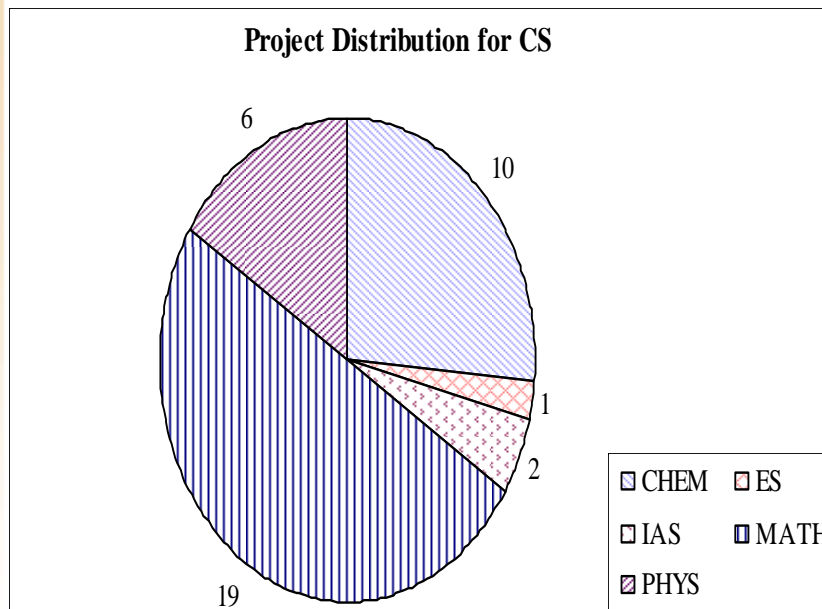


Budget Distribution for CES



# Research Statistics: By Department

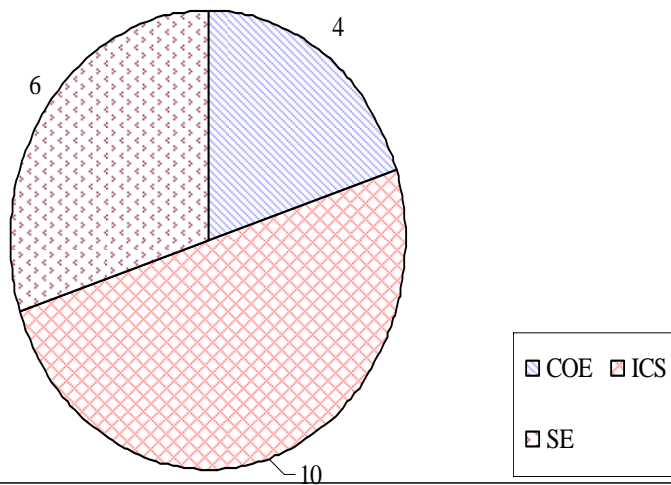
## College of Sciences



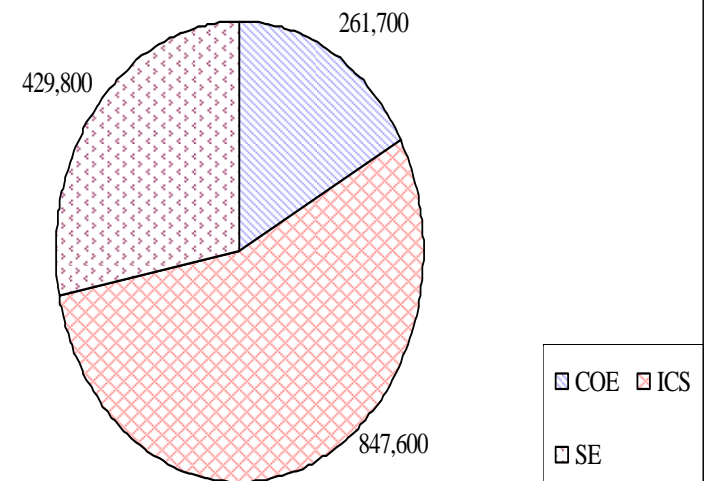
# Research Statistics: By Department

## College of CSE

Project Distribution for CCSE



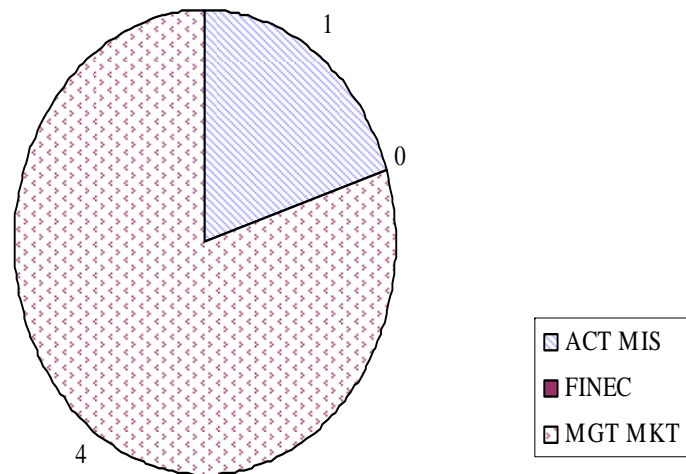
Budget Distribution for CCSE



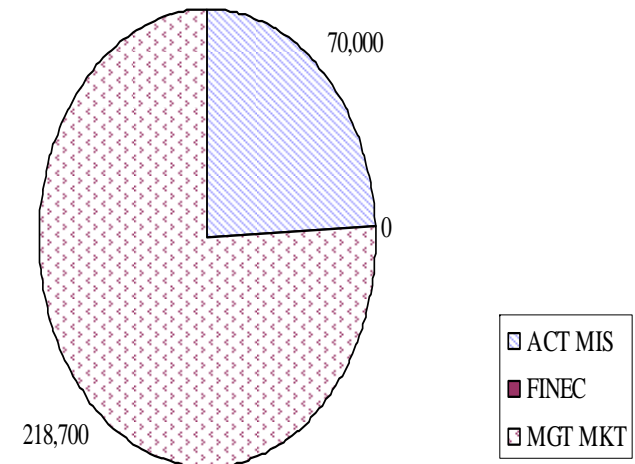
# Research Statistics: By Department

## College of Industrial Management

Project Distribution for CIM

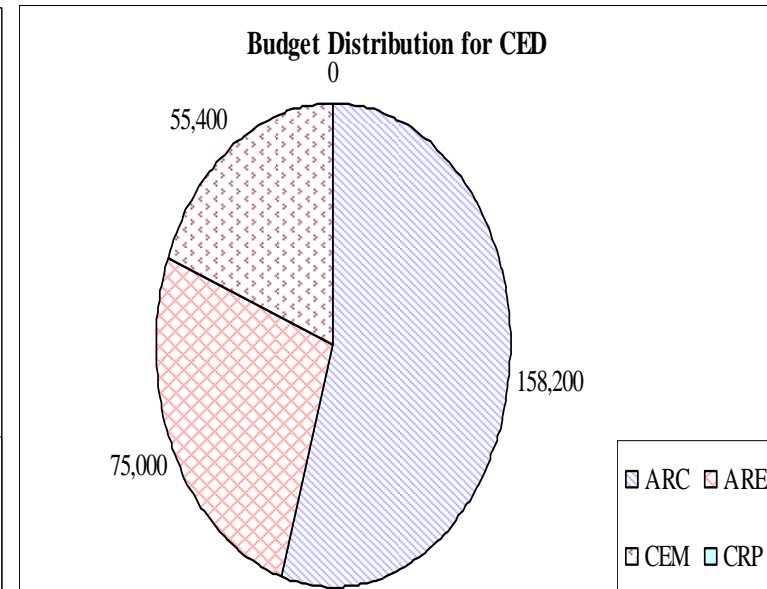
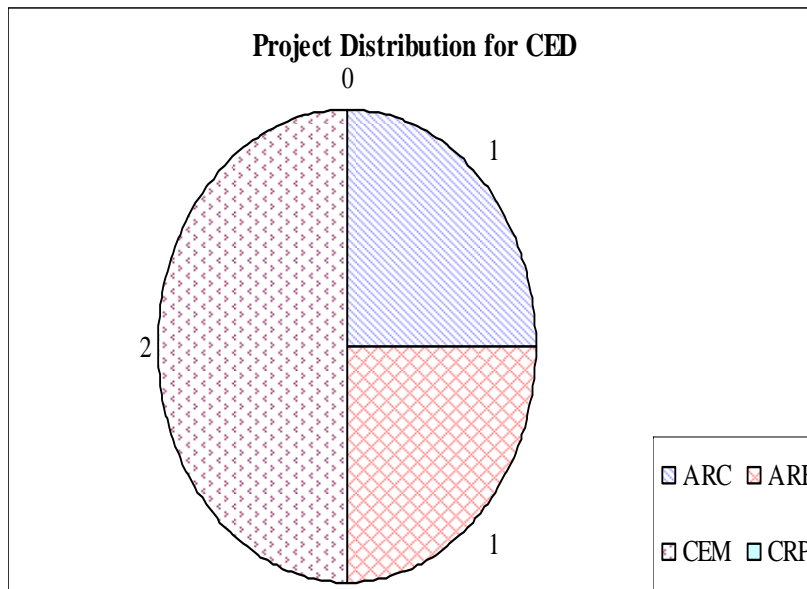


Budget Distribution for CIM

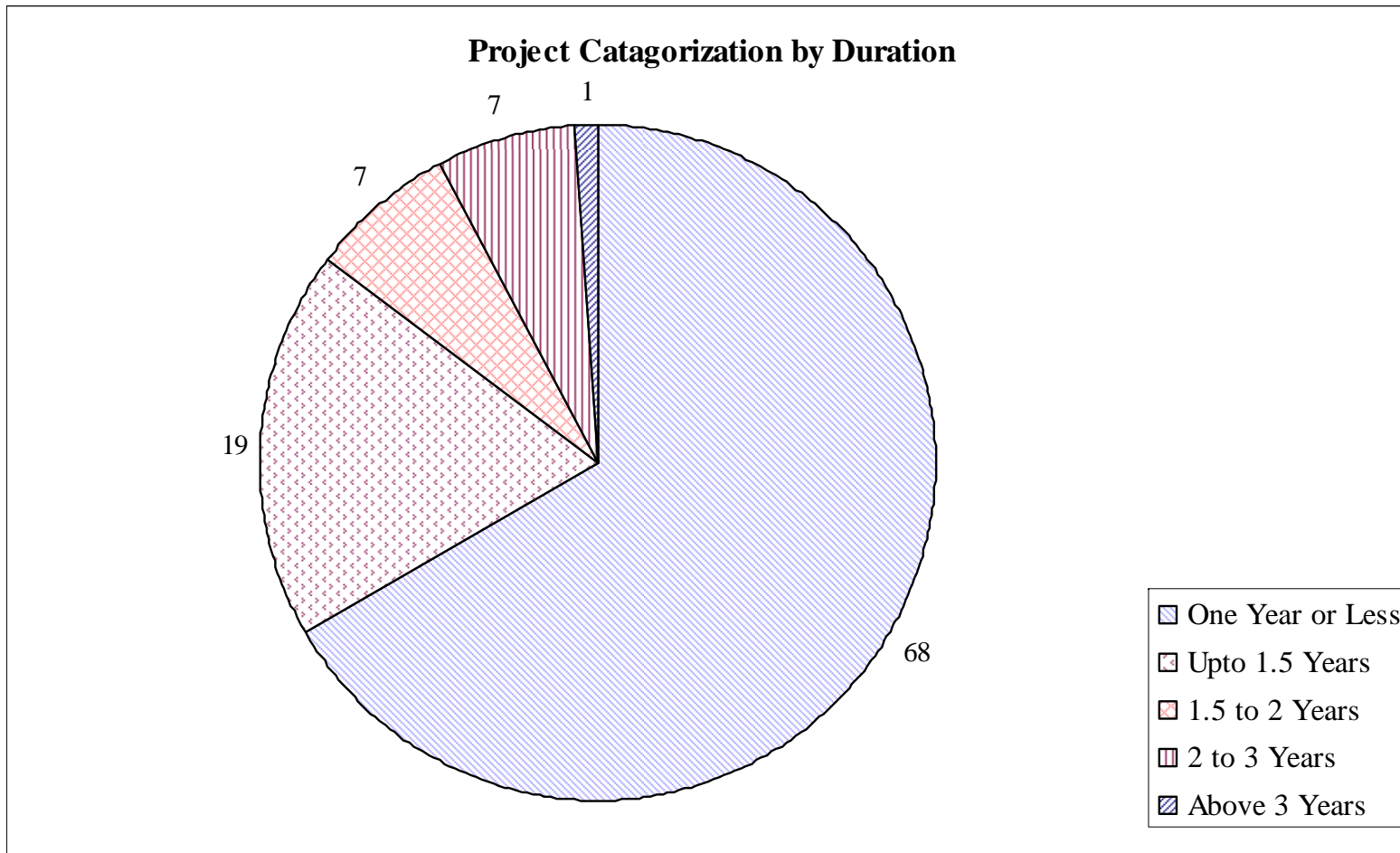


# Research Statistics: By Department

## College of Environmental Design

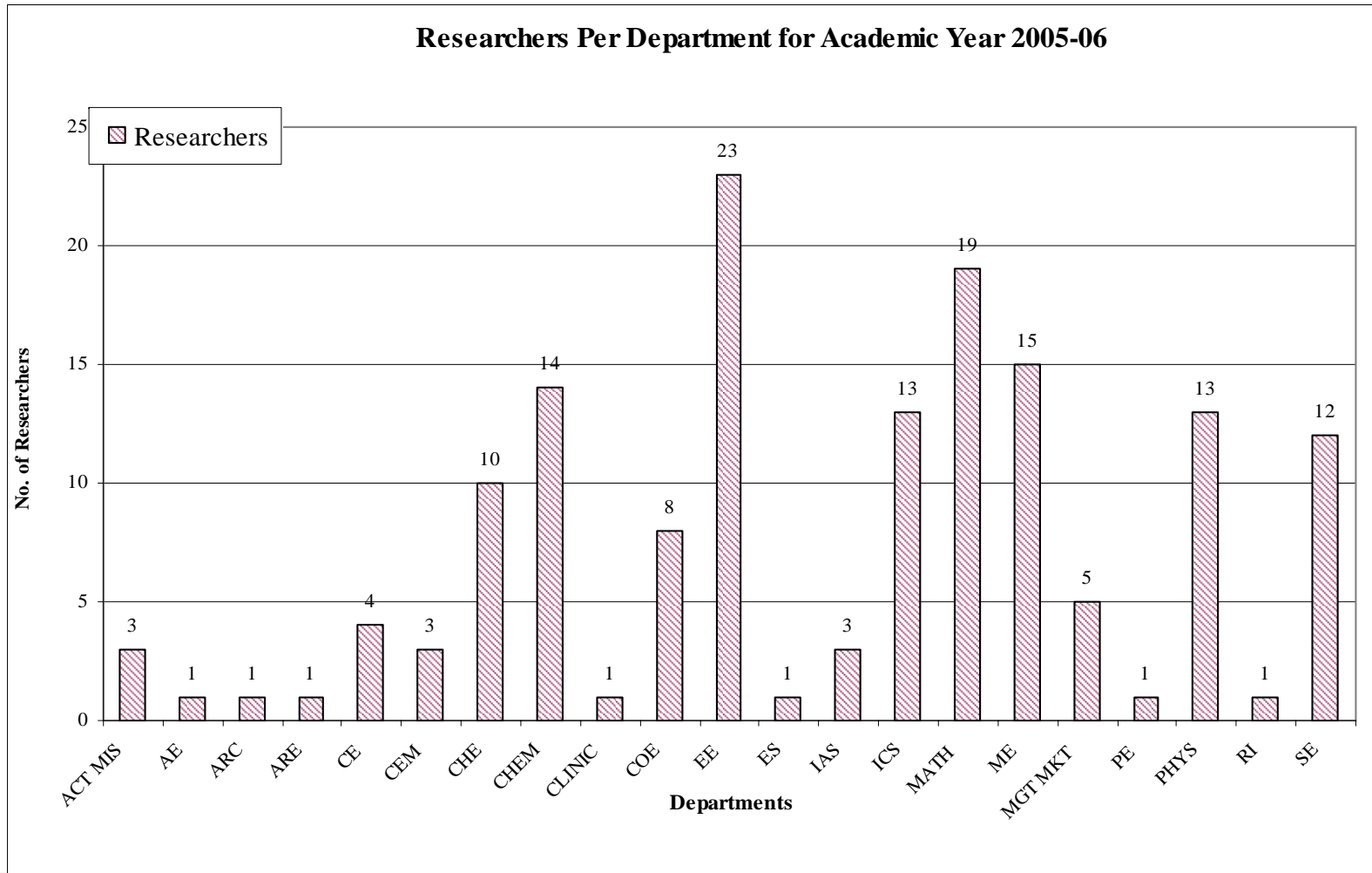


# Research Statistics: Project Categorization by Duration



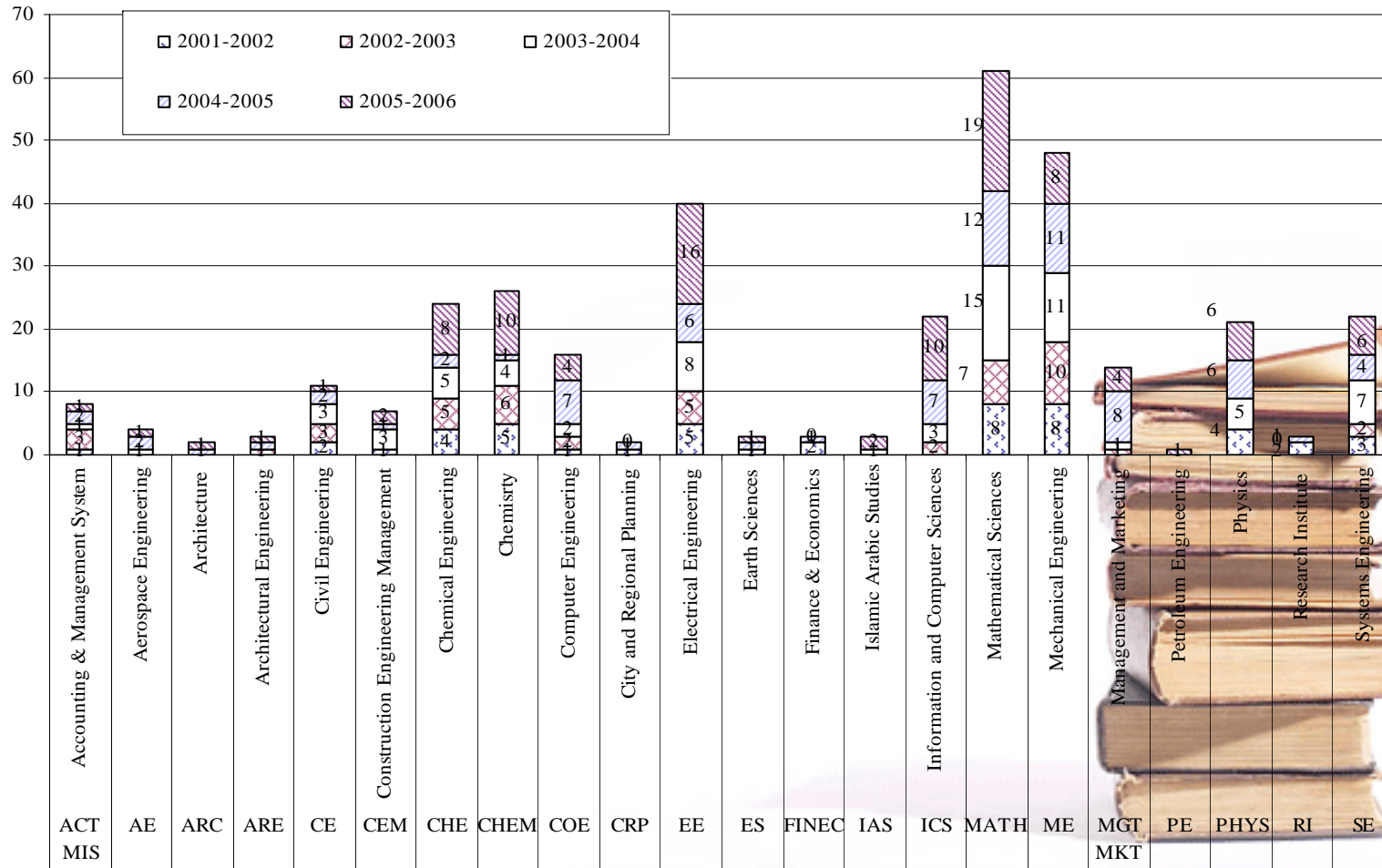
# Research Statistics:

## Researchers involved in projects per department



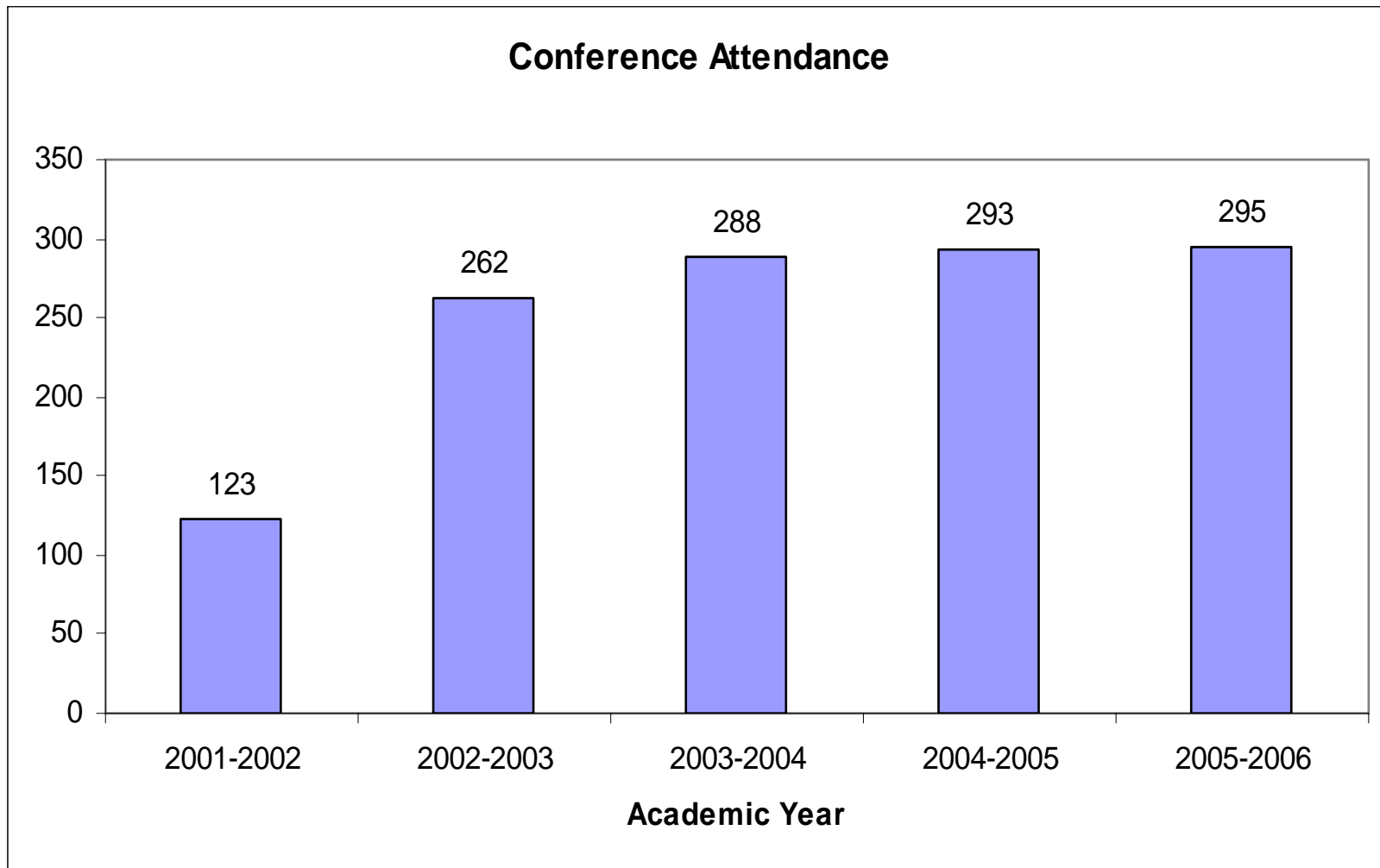
# Research Statistics: By Department

## Number of Projects (2001-2006)

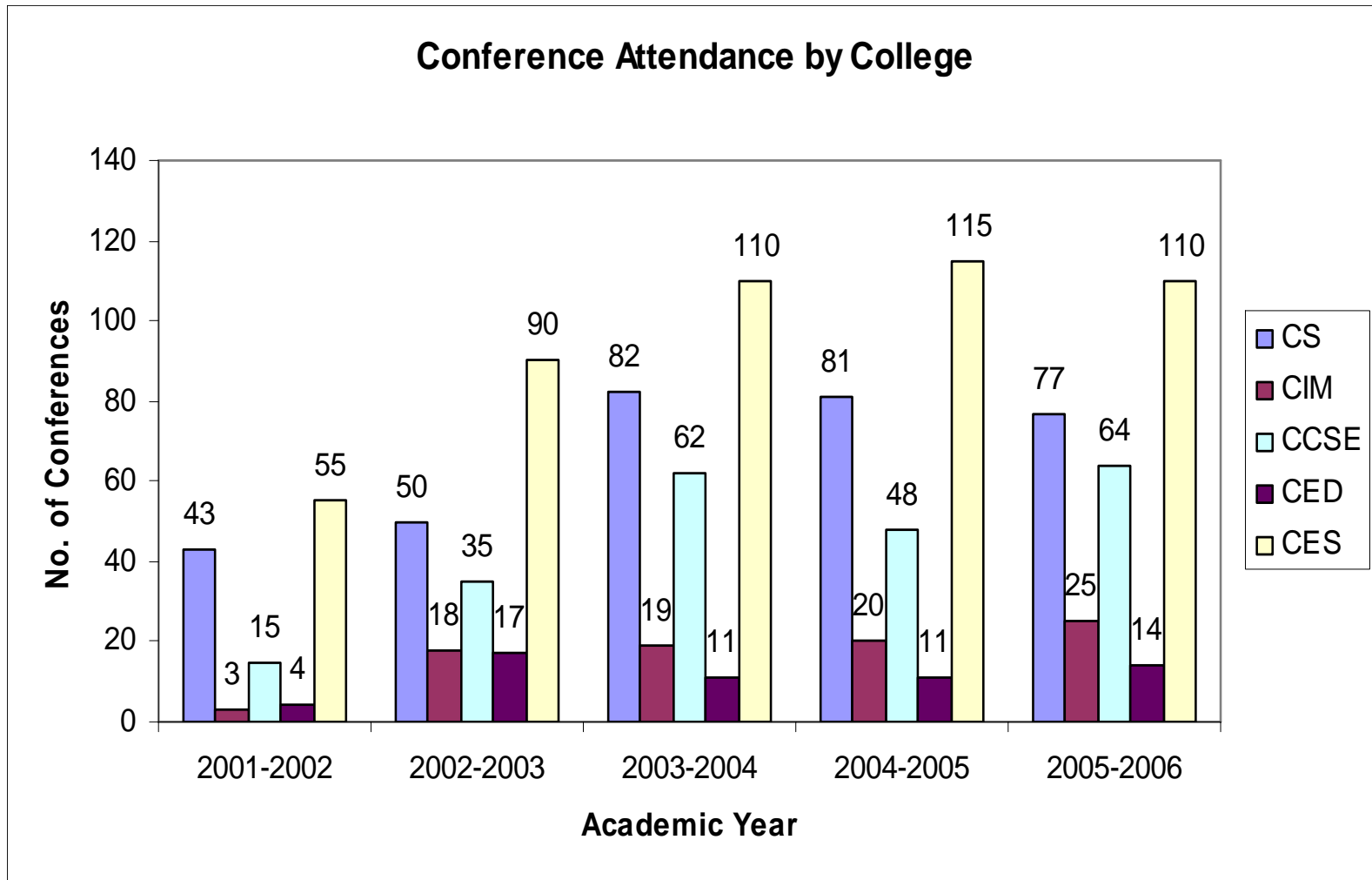




# Conference Statistics



# Conference Statistics: By College



# Future Outlook

**We look and work for a very conducive and productive research environment at KFUPM that will lead to:**

- **Focused research**
- **High quality outputs**
- **Significant increase in publications**
- **Innovative ideas and outcomes/patents**
- **International leadership in certain fields**



## **Final Note**

**We always welcome your suggestions and ideas for improving and promoting active and quality research, that will achieve our common goal of research excellence and leadership.**



**Thank You**



# DSR Web Page

<http://www.kfupm.edu.sa/dsr>

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