



# **P.K.R Arts College for Women**

## **M.C.A PROGRAMME**

### **PROSPECTUS**

P.K.R. Arts College for Women, Gobichettipalayam, was started in 1994 and is managed by Dhandapani Rural Charitable Trust, Gobi. The MCA Programme was started in 1998. This institution also offers M.B.A, M.Com.(C.A.), M.Sc. Physics & M.Sc. Maths courses with nine other UG courses.

#### **MCA Programme**

In this era, when the world has become a competitive place for IT professionals, corporate all over the world are on the look out for people with a high degree of technical skills and adaptability to current environment. Many institutes have emerged to provide value-based education, in order to enrich the technical skills of students making them perfect professionals.

The MCA programme was started in 1998 and it functions with the following objectives:

Inculcating in the students the essence of being innovative & equipping them with skills essential for them to excel in this highly competitive world.

Shaping up each individual's personality to enable him or her to confront challenges of the ever dynamic IT field.

To imbibe in them the gist of making right decisions in any given circumstances.

An atmosphere relevant for learning and development contributes to the richness and depth of the program.

The teaching methodology includes Classroom lectures, Lab practical (24 hours), Seminars and Industrial visits. The competitive spirit of the students is kept ignited by having intradepartmental competitions such as Quiz; Paper presentation, Software contest, Word hunt and Marketing. Our students have been achieving academic excellence by getting ranks in the University examinations. They have exhibited their potential by receiving prizes in various inter-collegiate competitions. They have also proved their ability by being placed in various reputed organizations.

#### **Our Vision**

Creating a genre of IT professionals who are equipped with a high degree of technical skills & adaptability to current environment and driven by moral values.

## **Facilities Offered**

1. A well equipped computer center with latest and advanced software, with 24 hours internet facility.
2. A full-fledged library with a good collection of computer oriented books, international journals and magazines.
3. Experienced & Dedicated faculty members
4. Guest lectures by experienced computer professionals.

Candidates for admission to the first year of the course leading to the Degree of Master of Computer Applications (MCA) will be required to possess the following conditions.

A pass in any degree with Mathematics at +2 level or any degree with atleast one paper in Mathematics or Statistics at degree level.

## **Admission procedure**

Selection will be based on

1. Applicant's performance in AIMCET conducted by AICTE.
2. Group discussion.
3. Personal interview.

Selected candidates will have to produce all original certificates at the time of admission.

Candidates who hold Degrees from other Universities should produce eligibility certificate issued by the Registrar, Bharathiar University, Coimbatore-46, at that time of admission.

## **The Course**

The duration of the course shall extend over a period of three academic years consisting of six semesters. The curriculum will include the following subjects of study.

### **I SEMESTER**

1. Computer Organisation & Architecture
2. Programming in C
3. Foundations of Computer Science
4. Accounting & Financial Management
5. Data Structures & Algorithms
6. Programming Lab in C
7. Data Structures Lab

## **II SEMESTER**

1. Computer Graphics
2. Object Oriented Analysis and Design & C++
3. Relational Database Management System
4. System Software & Compiler Design
5. Operations Research
6. OOPS lab
7. RDBMS lab

## **III SEMESTER**

1. Software Engineering
2. Operating Systems
3. Visual Programming
4. Computer Networks
5. Multimedia
6. O.S & Multimedia Lab
7. VP Lab

## **IV SEMESTER**

Advanced Java  
Software Project Management  
Management Concepts & Communication  
Elective-I  
Elective-II  
Java Lab  
Software Project Lab

## **V SEMESTER**

1. Web Programming
2. Web Services
3. TCP / IP
4. Elective - III
5. Elective - IV
6. Network lab
7. Web Lab

## **VI SEMESTER**

1. Project and Viva-Voce(150 + 50)

### **Group I (IV Semester Electives)**

1. E-Commerce
2. Network Security
3. Embedded Systems
4. Real Time Operating System
5. Enterprise Resource Planning (
6. Client / Server Technology
7. Parallel Processing

### **Group II (V Semester)**

1. Digital Image Processing
2. Bio Informatics
3. Wireless Application Protocol(WAP)
4. Data mining & Warehousing
5. Neural Networks & Fuzzy Logic
6. ASP.Net

## **Enclosures**

1. Passport size photograph should be affixed in application form in the space provided after trimming to the size of box.
2. If the candidates belong to BC/MBC/SC/ST, then the caste to be specified in the relevant places and true copy of the certificate to be enclosed.
3. True copies of mark sheets issued after each appearance in an examination should be enclosed even if a consolidated statement of marks is included.
4. Parent/guardian & Candidate should sign the application form in the space provided.
5. The columns of application form should be filled up with correct information.
6. Application form should be sent to:

**The Principal, P.K.R Arts College for women, Gobichettipalayam -638 476, Erode(Dt.) Tamilnadu** on or before the last date mentioned

**Fees once paid will not be refunded on any account.**

**Ragging is strictly forbidden. Anyone who is found guilty of ragging will be expelled from the college.**

## **Hostel**

The management maintains a hostel for the benefit of the students of this college. A Separate application is to be submitted in the prescribed form.