# N.K.R.Government Arts college for women

## Namakkal– 637 001

## DEPARTMENT OF COMPUTER SCIENCE

### STAFF PROFILE

### ABSTRACT



**A. General information :-**

a) Name : K.KARKUZHALI

b) Address (Residential) : No:264-E2 KKP STREET,
  MULLAI NAGAR,
  A.S PETTAI,
  NAMAKKAL-637001

c) Designation : ASSISTANT PROFESSOR

d) Department : COMPUTER SCIENCE

(e) Date of Birth : 15-06-1975

f) Area of Specialization : Network Security and cryptography

**Academic Qualifications**

| Exam.passed | Board/University | Subjects | Year | Division/ Grade/Me rit etc. |
|---|---|---|---|---|
| High School | Board of secondary Education,TNadu | Tamil,English,Maths, Science,History and Geography | 1990 | 65% |
| Higher secondary or Pre-degree | Board of Higher secondary Education, TNadu | Tamil,English,Maths, Physics,Chemistry, Computer science | 1992 | 61% |
| Bachelor's degree(s) | Annai Sandhiya Govt. Art`s College for(W), Krishnagiri,Madras University | B.Sc Computer Science | 1995 | II class |
| Master's | Thanthai Hans Rover | M.Sc Computer Science | 1997 | I class |

| degree(s) | College,Perembalur, Bharathidasan university, Thiruchirapallai | | | |
|---|---|---|---|---|
| Research degree(s) | Bharathiyar University Coimbatore | M.Phil Computer Science [Part Time] | 2005 | II class |
| Others Degrees | Periyar University, Salem | Ph.D Computer Science [Part Time]-Persuing | Persuing | - |

**C.Research Experience & Training**

| Research Stage | Title of work/Thesis | University where the Work was carried out |
|---|---|---|
| M.Phil. or equivalent | Performance Analysis On Multi Protocol Label Switching In VPN | Bharathiar University, Coimbatore |
| Research Degree(s) Ph.D. | Information Hiding Using Time Domain And Transformation Domain Approaches In Network Security-Persuing | Periyar University, Salem |
| Post-Doctoral | ---- | ---- |
| Publications (give a list separately) | **Refer Appendix** - **A** | ---- |
| Research Guidance (give names of students guided successfully ) | **Refer Appendix - B** | ---- |

**(i)Training programmes attended**

| Name of the Training Programme | Place | Duration of Training Programme |
|---|---|---|
| 1. Orientation Course | UGC-ASC-Universityof | 26/12/2007 to 24/01/2007 |

| | | |
|---|---|---|
| | Madras.chennai. | |
| 2. Refresher Course | UGC Sponsored course Academic staff college Bharathiar University Coimbatore. | 12/05/2011 to 01/06/2011 |
| 3. Refresher Course | UGC Sponsored course Academic staff college Bharathiar University Coimbatore. | 06/11/2014 to 26/11/2014 |
| 4. Refresher Course | UGC Sponsored course Academic staff college Bharathiar University Coimbatore. | 17/11/2017 to 7/12/2017 |
| 5.FTP-Faculty Training Programme | Periyar University,Salem. | 16/11/2018 to 17/11/2018 |
| 6.FDP-Faculty Development programme-Middle ware technologies | Anna university of Technology, Ciombatore. | Sona College of Technolgy,salem 13/12/10 to 19/12/10 ISRIC- WWH-2012 |
| 7.FDP-Faculty Develpoment programme-Advanced web technologies | AICTE Sponsored programme-SDP | Sona college of technology,salem-30/04/12 to 12/06/12 |

### D.Research Projects carried out

| Title of the project | Name of the Funding Agency | Duration | Remarks |
|---|---|---|---|
| ----- | -------- | ------ | ---- |

### E.Seminars, Conferences, Symposia Workshops etc. attended:

| Name of the Seminor/ Conference/Symposia Workshop,etc. | Name of the Sponsoring Agency | Place and Date |
|---|---|---|
| | **Refer Appendix - C** | |

| Courses Taught | Name of University/ College/Institution | Duration |
|---|---|---|
| i) **UG**(B.A., / B.Sc., etc.) | 1.Govt. Arts college for women, Salem-8 | 27/12/ 2007 to 29/09/2019 |
| | 2.NKR Govt. Arts college for women Namakkal-1 | 1/10/2019 to Till Date |
| i. PG(M.A./M.Sc./MCA etc) | 1. Govt. Arts college for women, Salem-8 | 21/10/11 to 29/09/2019 |
| | 2.NKR Govt. Arts college for women Namakkal-1 | 1/10/2019 to Till Date |
| ii. **M.Phil** | --- | --- |
| iii. **Ph.D.,** | --- | --- |
| iv. Others ( if any) | --- | --- |

**F. Teaching Experience** :

**Total Teaching experience** : **18 Years 7 Months**

a) Under-Graduate (Pass) : **18 Years 7 Months**

b) Under-Graduate (Hons) : -----

c) Post-Graduate : **16 Years 11 Months**

**G.Innovations/Contributions in Teaching:-**

| | |
|---|---|
| a)Design of curriculum | Design the curriculum for soft skill content of the students. |
| b)Teaching methods | Lecturing, , educational quiz, group discussions, seminars. Teaching through A/V aids, Industrial visits and training. |
| c) Laboratory experiments | Using Micro processor lab for digital,using computer lab for programming Languages..c,c++,vb.net,Multi Media Lab for UG Students Linux lab for PG Students. |
| d) Evaluation methods | Tests, seminars, problem solving experiments, Paper presentation,attentiveness of the student is periodically watched, Problem solving Exercises, Projects. |
| e) Preparation of resource Material including books, reading materials, laboratory Manuals etc. | i).Mainly prescribed text books<br>ii).Consultation with senior professors<br>iii). Journals and magazines<br>iv).Internet, Magazines, News papers |
| f)Remedial Teaching/Student Counselling academic) | Special coaching classes, Identifying students' problems, helping them in Solving problems, parental counseling. |
| f) Any other | Periodical counselling to students of the Department/college in the Guidance and Counselling center. |

**H**. **Extension Work/Community Service:-**

a) Please  give a short  account  of your contribution  to:

      i)Community  work such as  values of    : Creating awareness about the basic
      National   integration, secularism,      values, Interpersonal skills, social
      Democracy, socialism, humanism,     skills and prosocial behaviour
      Peace, scientific temper, flood   or    among students and members in the
      Drought relief, small family norms   community.
      etc.

      ii)National  Literacy  Mission        : Creating awareness about the
                                   Importance and value of literacy.

b)  Positions held/Leadership role     : i).NSS&RRC-Prog.officer From 2014-2015
    played  in organizations linked
    with Extension  Work  and        ii). Bus Co-coordinator from 2011-2013
    NSS or NCC or similar activity.    iii)CLP Incharge-2015-2016

**I. Participation  in  Corporate  Life:-**
   Please give a short account of your contribution to:

a)     College/University/Institution    :
                                   (ii)Class tutor/admission In-Charge for
                                      UG/PG Students for three Academic years
                                   (iii) Maintaining Discipline in the campus
                                     (iv) Motivating the Students to join all the
                                          Extra Curricular Activities
                                    (v) NSS-Programmer officer from 2014-2015
                                          & RRC Coordinator From 2014-2015

    b)  Co-curricular Activities       : Co-ordinated the workshop and seminars and
                                       Various programmes conducted in the
                                       Department

    c)  Enrichment of Campus Life    : (i) Acted as a coordinators  in PTA
     (hostels,sports,games,cultural     (ii)Acted as a coordinator for various cultural
              acitivities)                    Activities in Fine art's club.
                                     (iii)Acted as a coordinator in union activity of
                                      the college.

    d)Students welfare and Discipline  : Periodical counselling to the students,
                                     Their Parents and family members in
                                     The Guidance and Counselling center.

    e)Membership/Participation in     : On many an ocasions,served as addl.chief
                                     superintendent, Syllabus
      Bodies/ Committees on Edu-     framing, External and Internal examiner
      cation and National Develop-    in Theory examinations.
      ment

f) Professional Organization of        : NIL

g)Members of professional bodies,   : NIL
    societies etc..

h)Editorship of journals           : NIL

i) Any other information          : As a teacher ,the  focus is on  helping the
                                       Students communicate the IT focus of computer
                                       Science in all levels in the competitive world.

# SELF APPRAISAL

### A. General information :-

(a) Name                                : K.KARKUZHALI

(b) Date of Birth                   : I5/06/1975

(c) Address (Residential)       : No: 264 - E2 KKP STREET,
                                       MULLAI NAGAR,
                                       A.S PETTAI,
                                       NAMAKKAL-635001

(d) Designation                 : ASSISTANT PROFESSOR

(e) Department                 : COMPUTER SCIENCE

(f) Area of Specilization        : Network Security and cryptography.

(g) Date of Appointment :-

     i) In the Institution          :16/07/1997

     ii ) In the present post     :26/12/2007

g) **Awards/ Honours conferred**     **: a.DR APJ ABDUAL KALAM AWARD for Teaching Excellance-2018**

                                      **b.BHARAT SHIKSHA RATAN AWARD for Outstanding achievements and remarkable role in the field of education-2019**

**B. Teaching**

a) Classes taught:-

| Class | Periods | | | | Steps taken for the teaching of periods missed during absence of leave |
|---|---|---|---|---|---|
| | Assigned per week | | Taught in the year | | |
| | Lecture per week | Tutorial/Practical Per week | Lecture per Year | Tutorial/Practical Per Year | |
| i)U.G (B.A./B.Sc. etc. pass) (B.A./B.Sc. etc., hons.) | 8 | 3 | 320 | 120 | Special Classes |
| ii)PG (M.A./M.Sc., etc.) | 5 | - | 200 | - | Special Classes |
| iii) M.Phil | - | - | - | - | - |
| iv) Any other | - | - | - | - | - |
| **TOTAL HRS** | 13 | 3 | 520 | 120 | 640 |

b) Regularity and Punctuality    :   Strict regularity and punctuality
                                         is maintained in the class.

c) Details of Course teaching     :   Summing up topics, Making them to
    plan, synopses of lectures,           note down points..
    and reading lists supplied to
    students.    '

d) Details of participation in the following:

i)  University Evaluation           : Internal and External examiner in theory
                                         of UG and PG Courses.

ii) Internal Evlauation                 : Internal examiner for UG & PG  CIA tests

iii) Paper Setting                      : Question paper setting   for CIA Tests and
                                          other colleges  and  Universities.

iv) Assessment  of  Home
    assignments                         :Evaluation of UG/PG assignments.

v)  Conduct  of  Examinations           : Conducting Internal/External , Bank,
                                           GATE, TNPSC,VAO,B.ed other state and
                                          Central Govt. exams.
                                                ( As a Department )

vi)  Evaluation of Dissertation etc.    :Evaluating the PG and M.Phil.,
                                          Dissertations of other colleges.


**C.Details  of  Innovations/ Contribution  in  Teaching, during the year:-**


a)      College/University/Institution    :
                                           (i)Class    tutor/admission    In-Charge    for
                                           UG/PG Students for three Academic years
                                           (ii) Maintaining Discipline in the campus
                                           (iii) Motivating the Students to join all the
                                                 Extra Curricular Activities
                                           (iv) NSS-Programmer officer from 2014-2015
                                                & RRC Coordinator From 2014-2015

   b)  Co-curricular Activities           : Co-ordinated the workshop and seminars and
                                            Various programmes conducted in the
                                            Department

   c)  Enrichment of Campus Life          : (i) Acted as a co-ordinator  in sports day.
   (hostels,sports,games,cultural           (ii)Acted as a co-ordinator for various cultural
           acitivities)                        activities in Fine atrs clubfrom2016-2017
                                            (iii)Acted as a co-ordinator in union activity of
                                                 The college.
                                             (iv)Acted as a co-ordinator for transport
                                                 Facilities(Govt.bus) from 2013-2016
                                             (v)Acted as a in-charge for canteen
                                                Maintenance from 2017-2018
                                                inside the college.
                                            (vi)Acted as a in-charge for PTA in the
                                                Department.2017-2018.

d)Students welfare and Discipline      : Periodical counselling to the students,
                                                   Their Parents and family members in
                                                   The Guidance and Counselling center.

e)Membership/Participation in          : On many ocasions,served as addl.chief
                                                     Superintendent,question paper
       Bodies/ Committees on Edu-        framing, External and Internal examiner
       cation and National Develop-      in Theory examinations.
       ment

**D.Improvement of  Professional Competence:-**
Details Regarding refresher courses/ orientation  attended, participation in
summer schools, workshops, seminars,symposia  etc. including open  Univer-
sity courses/M.Phil.,Ph.D.

a) Training programmes attended

| Name of the Training Programme | Place | Duration of Training Programme |
|---|---|---|
| 1.Orientation Course | UGC-ASC-Universityof Madras.chennai. | 26/12/2007 to 24/01/2007 |
| 2.Refresher Course | UGC Sponsored course Academic staff college Bharathiar University Coimbatore. | 12/05/2011 to 01/06/2011 |
| 3.Refresher Course | UGC Sponsored course Academic staff college Bharathiar University Coimbatore. | 06/11/2014 to 26/11/2014 |
| 4.Refresher Course | UGC Sponsored course Academic staff college Bharathiar University Coimbatore. | 17/11/2017 to 7/12/2017 |
| 5.FTP-Faculty Training Programme | Periyar University,Salem. | 16/11/2018 to 17/11/2018 |
| 6.FDP-Faculty Development programme-Middle ware technologies | Anna university of Technology, Ciombatore. | Sona College of Technolgy ,salem 13/12/10 to 19/12/10 ISRIC- WWH-2012 |
| 7.FDP-Faculty Develpoment programme-Advanced web technologies | AICTE Sponsored programme-SDP | Sona college of technology,salem-30/04/12 to 12/06/12 |

b)Seminars, Conferences, Symposia Workshops etc. attended:

| Name of the Seminor/ Conference/Symposia Workshop,etc. | Name of the Sponsoring Agency | Place and Date |
|---|---|---|
| | **Refer Appendix - C** | |

### E. Research Contributions:-
a) Number of students (M.Phil/Ph.D)

| | At the Beginning of the year | Registered during the year | Completed during the year |
|---|---|---|---|
| M.Phil. Ph.D. | | **Refer** | **Annexure-B** |

b) No. of research papers published : **Refer Annexure-A**

c) Research Projects

| Title of the Project | Name of the funding agency | Duration |
|---|---|---|
| -- | ---- | ---- |

d)Details of seminars organized

:Delivered Guest lecturer on Emerging trends in IT- cryptography in Bharathidasan college of arts and science,Erode.

e)Membership of Professional

Bodies, Editorship of Journals etc.    :           NIL

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**F. Extension Work/Community Service**:

(a). Please give a short account of your
contribution to                              :
   i) Community work such as values                    Creating awareness about the basic
      of national integration, secularism,              values, interpersonal skills, social
      democracy, socialism, humanism,                   skills and prosocial behaviour among
      peace, scientific temper, flood or                students and members of the
      drought relief, small family norms etc.           community.

   ii) National Literacy Mission          :    Creating awareness about the importance
                                                and value of litracy.

(b) Positions held/Leadership role played  :  i). Shift-I Incharge, Class tutor, Counsellor.
   in organizations linked with extension
   with work and National Service             ii).Acted as Chief Guest for intra
                                                  department competitions- 6/10/12
   Scheme (NSS) or NCC or                   iii).Release of Bulletin Vasavi-Sharp-
                                                 in sri vasavi college, Erode.
   any other similar activity.              iv).NSS&RRC-Prog.officer
                                                 From 2014-2015
                                                 v)Acted as incharge in CLP- Computer
                                            literacy programme for the year 2015-16

**G. Participation in Corporate Life:-**
   Please give a short account of your contribution to :

   d) College/University/Institution       :  Helping the Principal, HOD in the
                                                Departmental activities, Maintaining
                                                Discipline in the campus, Motivating the
                                                Students to join the entire extra curricular
                                                activities.

   e) Co-curricular Activities             :  Helping the students to actualize their
                                                Potentials, directing them to participate in
                                                various programs, job fairs conducted by
                                                other colleges and software companies,
                                                Industries..

   f) Enrichment of Campus Life            :  Helping/assisting /guiding the Principal,
                                                HOD, Colleagues and students to enrich
                                                the campus life. Encouraging the students

|  | (hostels,sports,games,cultural acitivities) | to participate in various Computer Quiz, Computer related events. |

g)  Students welfare and Discipline    :   Periodical counseling to the students,
                                                        Their Parents and family members in
                                                        The Guidance and Counseling center.

h)  Membership/Participation in        :  On many an ocasions,served as addl.chief
                                                       superintendent, Syllabus
      Bodies/ Committees on Edu-         framing, External and Internal examiner
      cation and National Develop-        in theory and practical.
      ment

i)   Professional Organization of        : NIL
      Teachers.

**H.Assessment:-**
a)  Steps taken by you for the evaluation of the course programme taught.

      Self – evaluation, Students feedback, Suggestions from colleagues.
      Introducing and improving teaching methods.

**I. General Data:-**
   1.  Apart teaching teaching students, take much interest in motivating students to learn life-oriented skills.
   2.  Due to personal, familial and economic problems students are not to the expectation.
   3.  Innovative pedagogical methods are to be introduced.  Creativity among the students is to be enriched.


                                           **K.Karkuzhali**
                                        (Signature of the Teacher)
                                         K,Karkuzhali
                                         Assistant Professor
                                         Department of computer Science
                                         NKR Government Arts College for Women
                                         Namakkal-637001

**C.Research Experience & Training : List of Publications**

**I. Publications (International / National):**

1.Security Mechanism For Implementing Vpn Encryption-International Journal Of Advanced Research In Computer Engineering And Technology(IJARCET)E-ISSN;(2278-1323)

2.Information hiding and Image Enhancement in the domain transformation-UGC international Conference-vol-1,issue-1,Jan 2017.

**C.Research Experience & Training : Research Guidance**

**I.   M.Phil.,( Computer Science)**

| S.No. | Name of the Scholar | Year | FT/PT | University | Pursuing/ Completed/ Awaiting for Viva |
|-------|---------------------|------|-------|------------|------------------------------------------|
| 1. | P.Malarvizhi | 2007 | PT | Bharathiyar University | Completed |
| 2. | S.Kumaravel | 2007 | PT | Bharathiyar University | Completed |
| 3. | B.Vidhya | 2008 | PT | Bharathiyar University | Completed |

| | | | | | |
|---|---|---|---|---|---|
| 4. | M.Kavitha | 2008 | PT | Bharathiyar University | Completed |
| 5. | N.Vasu | 2008 | PT | Bharathiyar University | Completed |

b)Seminars, Conferences, Symposia Workshops etc. attended:

| S.No | Name of the Seminor/ Conference/Symposia Workshop,etc. | Name of the Sponsoring Agency | Place and Date |
|---|---|---|---|
| 1. | International seminar on Advanced trends in IT and Image Processing | Sengunthar Arts And Science college,Thiruchengode, Namakkal. | Sengunthar Arts And Science college,Thiruchengode, Namakkal-18/08/2017 |
| 2 | International seminar- Research in computers?why,what and how? | Bharathiyar university,Coimbatore | Bharathiar university,Coimbatore-10/02/12 |
| 3 | National level seminar- Research prespective in computer science | Selvam college of technology, Namakkal | Selvam college of technology, Namakkal-17/09/11. |
| 4 | Soft Skill Training | Govt. arts college for women-Salem | Govt. arts college for women- Salem-24/12/14 |
| 5 | National seminar –Wireless Communication and mobile computing | NSWCMS-14-Bharathiyar University ,Coimbatore | Bharathiar University ,Coimbatore-27/02/14 to 28/02/14 |
| | Training programme- NS-2 and QUALNET | Technology businesss incubator @ kongu | TBI@KEC,ERODE-27/02/13 to 28/02/13 |

| | | engineering college ,Erode | |
|---|---|---|---|
| 7 | National conference - computer and communication | NCCC-11 ,Sri vasavi college,Erode. | Sri vasavi college,Erode-11/02/11 |
| 8 | One day training programme – Free laptop distribution | District Collecterate office, Coimbatore | District Collecterate of coimbatore,Coimbatore-10/04/12 |
| 9 | Workshop -Mobile computing using rough set theory | Periyar University,salem | Periyar University,salem- 13/11/10 |
| 10 | National Service Scheme-Trekking Expedition to yercaud hills | NSS Sponsored- ,Periyar university,salem | Periyar university,salem-10/01/15 |
| 11 | Workshop-Emerging tools of Mobile technology | Glister Technologies solution Pvt-India | Glister Technologies solution Pvt-India |
| 12 | One day training programme-RRC- Red Ribbon Club-programme | Tamilnadu state AIDS control society-chennai | Periyar university,salem-20/02/15 |
| 13 | one day seminor-Consumer Awareness and training programme | Tamilnadu consumer and public rights vigilance committee | Govt. arts college for women- Salem-24/12/14 |
| 14 | .National conference – Emerging trends in computing | Sri vasavi college,Erode. | Sri vasavi college,Erode-2/03/07. |
| 15 | .Faculty Development programme-j2EE and Best practices in application development | Periyar University,salem | Periyar University,salem-10/11/09 to 11/11/09 |

| National seminor - Research methodology in computer and engineering | Sri vasavi college,Erode | Sri vasavi college,Erode-27/02/09 to 28/02/09 |
|---|---|---|

## SEMINARS – ATTENDED

| S.No. | Name of the Seminar | Venue | Date |
|---|---|---|---|
| 1 | Revised Accredation Framework (Raf) Of Nacc Iqac | Psna College Of Engineering And Technology, Dindigul | 30.05.2020 |
| 2 | Role Of Iqac In Maintaining Quality Standards In Higher Education | Government Arts College For Women, Nilakottai, Dindigul | 11.06.2020 |

## WORKSHOP – ATTENDED

| S.No. | Name of the Workshop | Venue | Date |
|---|---|---|---|
| 1 | Transition From Industry 4.0 To 5.0 | Department Of Computer Science Bharathiyar University Coimbatore | 15.06.2020 To 20.06.2020 |
| 2 | Recent Research Trends In Deep Learning Through Google Colab(Python) | PG & Reseach Department Of Computer Science Government College For Women(Auto), Kumbakonam. | 12-06-2020 |

# FACULTY DEVELOPMENT PROGRAMME – ATTENDED

| S.No. | Name Of The Workshop | Venue | Date |
|---|---|---|---|
| 1 | The Importance Of Emotional Intelligence For Teachers | Sengunthat Arts And Sciencs College, Thiruchengode | 29.05.2020 |
| 2 | Programming In R-One Week Spoken-Tuorial Faculty Development Programme | Spoken-Tutorial project team, IIT Bombay MHRD Government of India | 23.06.2020 to 29.06.2020 |
| 3 | Three Day Faculty Development Programme R:Basics To Analytics | Namakkal Kavingar Ramalingan Government Arts College For Women,Namakkal | 10.06.2020 to 12.06.2020 |
| 4 | International level online FDP | Department Of Commerce(Ca) Sengunthar Arts And Science College, Thiruchengode | 17.06.2020 to 23.06.2020 |
| 5 | Two Week Faculty Development Programme On Multimedia And Drawing | Department Of Computer Science Government First Grade College Harihara spoken-Tutorial , IIT Bombay MHRD Government Of India | 03.06.2020 to 16.06.2020 |