FACULTY-PROFILE

Name : Dr. P.REENA

Date of Birth : 20.3.1966

Highest Qualification : Ph.D.

***Academic Performance***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Qualification | Board/University | Year of Passing | Specialisation | | Class/ Grade |
| 1. | S.S.L.C | Board of public exams, Kerala | 1981 | All subjects | | First Class |
| 2. | Pre-degree | CalicutUniversity | 1983 | Physics, Chemistry, Mathematics | | First Class |
| 3. | B.Tech. | REC,Calicut | 1988 | Electronics & Commn | | First Class |
| 4. | M.Tech. | IIT Madras | 1995 | Commn Systems | | First Class |
| 5. | Ph.D | NIT,Calicut | 2010 | Computer Networks |  | |

***Experience***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Professional Experience (including teaching experience)** | | | | |
| Institution/Industry | | Designation | From | To | Nature of work | |
| ER & DC, Trivandrum | | Apprentice Trainee | 26-06-89 | 25-06-90 | Software development | |
| IHRDE, Calicut | | Electronics Engineer | 01-07-90 | 24-08-90 | Teaching | |
| KELTRON, Commn. Division, Trivandrum | | Engineer Trainee | 27-08-90 | 18-06-91 | Implementing and testing prototypes of new products | |
| GEC, Thrissur | | Lecturer | 20-06-91 | 04-06-96 | Teaching | |
| College of Engg, Tvpm | | Lecturer | 05-06-96 | 01-11-99 | Teaching | |
| GEC, Calicut | | Asst. Professor | 02-11-99 | 01-06-00 | Teaching | |
| College of Engg, Tvpm | | Asst. Professor | 03-06-00 | 18-07-05 | Teaching | |
| NIT Calicut | | Research Scholar | 19-07-05 | 17-07-08 | Research work | |
| GEC, Sreekrishnapuram | | Asst. Professor | 18-07-08 | 05-06-09 | Teaching | |
| GEC Calicut | | Asst. Professor | 06-06-09 | 22-02-12 | Teaching | |
| GEC Sreekrishnapuram | | Professor, IT Dept. | 23-02-12 | 12-7-2013 | Teaching | |
| GCE Kannur | | Professor | 15.7.2013 | 26-7-2017 | Teaching | |
| GEC Thrissur | | Professor, MCA Dept | 27-7-2017 | Till date |  | |

***Faculty Development Programmes/ STTPs attended***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl.No. | Name of the Training Programme | **Sponsored by** | **Organiser&Venue** | **Period** | | **No. of days** |
| From | To |
| 1 | Laboratory Practices in Electronics | QIP center & DoE | CET | 12-12-91 | 24-12-91 | 13 |
| 2 | Digital Communications and the ISDN | ISTE | REC, Calicut | 18-05-92 | 30-05-92 | 13 |
| 3 | Microwave and Opto-electronic Devices | QIP | IIT, Mdras | 13-12-93 | 24-12-93 | 12 |
| 4 | IEP on Digital Systems | IMPACT (DoE, World Bank & SDC) | IISc, Bangalore | 18-12-96 | 10-01-97 | 24 |
| 5 | Computer Aided Design of MW and mm wave IC Components | AICTE | Thyagarajar College of Engg, Madurai | 12-03-97 | 22-03-97 | 11 |
| 6 | Modern Trends in Digital Signal Processing | ISTE/ AICTE | REC, Calicut | 21-04-97 | 02-05-97 | 12 |
| 7 | Seminar on Motivation and Interpersonal Relations | Under SSS (DoE and SDC) | CET | 12-10-98 | 13-10-98 | 2 |
| 8 | AS/400 – System Administration and Implementation | DTE, Kerala | CCF of CET | 24-01-00 | 05-02-00 | 13 |
| 9 | Internal Quality Auditor | MIT(former DoE) and STQC | ETDC, Hydrabad (venue-Tvm) | 28-08-00 | 30-08-00 | 3 |
| 10 | ISO 9000:2001 Auditor Transition Course | IATCA (International Auditor and Training Certification Association) | Tvm | 23-02-02 | 24-02-02 | 2 |
| 11 | IEP on Digital Communications | Under NETWORK project sponsored by SDC | CET | 31-12-02 | 04-01-03 | 5 |
| 12 | IEP on Advanced Optical Communications | Under NETWORK project | CET | 19-03-03 | 23-03-03 | 5 |
| 13 | Digital Signal Processor & Applications | Analog Devices-IITM –DSP Learning center | IITMadras | 08-12-03 | 20-12-03 | 13 |
| 14 | Workshop on Transforms and Their Applications in Electrical Engg Sciences | Under NETWORK project | Osmania University, Hyderabad | 02-09-04 | 04-09-04 | 3 |
| 15 | Workshop on Research Orientation | Under NETWORK project | CET | 15-12-04 | 19-12-04 | 5 |
| 16 | Workshop on Advanced Topics on Algebra for Multivariable Systems Research | TEQIP | NIT, Calicut | 07-12-05 | 09-12-05 | 3 |
| 17 | Workshop on Recent Trends in Operations Research and Graph Theory | TEQIP and KSCSTE | NIT, Calicut | 16-12-05 | 17-12-05 | 2 |
| 18 | Workshop on Introduction to Research | TEQIP | NIT, Calicut | 24-01-08 | 25-01-08 | 2 |
| 19 | Hands on Training on LabVIEW for Image Processing & Embedded Systems | DTE, Kerala | GEC Thrissur | 04-08-10 | 06-08-10 | 3 |
| 20 | STTP on Signal Processing for Communications | DTE, Kerala | GEC Wyayanad | 09-07-12 | 13-07-12 | 5 |
| 21 | Education Technology and Teaching Skills (STP 972) |  | IMG Calicut | 30-07-12 | 03-08-12 | 5 |
| 22 | Counselor Development Workshop for Engineering College teachers | SPFU, TEQIP | GEC Thrissur | 13-10-12 | 14-10-12 | 2 |
| 23 | Akash for Education | IIT Bombay (on-line) | GEC Sreekrishnapuram | 10-11-12 | 12-11-12 | 2 |
| 24 | Workshop on Embedded processors | TEQIP-II | NIELIT Kozhikode | 1.7.2013 | 5.7.2013 | 5 |
| 25 | Workshop on “Network Simulator-2” | TEQIP-II | CSED, GEC Wayanad | 20.07.13 | 21.7.13 | 2 |
| 26 | workshop on “Outcome  based Accreditation Process” |  | Saint Gitts  College of Engineering Kottayam | 17.8.2013 |  | 1 |
| 27 | STTP on Mathematical And Computational Techniques in Engineering Research (MICTER 2013) | TEQIP-II | GCE Kannur | 19.8.13 | 24.8.123 | 6 |
| 28 | Workshop on “Rainwater Harvesting for Sustainable Water Supply” | TEQIP-II | GCE Kannur | 29.11.13 |  | 1 |
| 29 | STTP on “Professional Excellence” | TEQIP-II | GCE Kannur | 6.12.13 | 9.12.13 | 3 |
| 30 | STTP on “Signal Processing and Pattern Analysis” | DTE Kerala | GEC Kozhikode | 13.3.14 | 19.3.14 | 7 |
| 31 | Seminar on Intellectual Property Rights | KSCSTE, IPR Cell of GCEK | GCE Kannur | 24.4.14 |  | 1 |
| 32 | FDP on Estimation and Coding for Multimedia Processing | TEQIP-II | ECED, NITC | 30.6.14 | 5.7.14 | 6 |
| 33 | FDP on "Concept Coaching | GCE Kannur by  ICTAK | GCE Kannur | 5.3.2015 | 7.3.2015 | 3 |
| 34 | STTP on "Inspirational  Leadership for Performance Excelence" | DTE Kerala | CET School of  Management, CET |  |  | 5 |

***Courses Coordinated***

* + - 1. Co- coordinator of the DTE sponsored STTP on “Signal Processing Techniques” during 13-18th Sept 2010 at GEC Calicut
      2. Coordinator of the DTE sponsored STTP on “Digital System Design using VHDL” during 19-21 Oct 2011 at GEC Calicut

***Conferences/Seminars organised***

|  |  |  |  |
| --- | --- | --- | --- |
| ***Sl.No.*** | ***Title/ Topic*** | ***Year & Duration*** | ***Sponsors*** |
| 1 | NET2011 (Dept co – coordinator) | Feb 2011 | GEC KKD |
| 2 |  |  |  |

**(c) Conferences attended:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Title/Topic** | **Year& Duration** | **Organisation** |
| 1 | ICCSP (attended) | Feb 2011 | NIT Calicut |
| 2 | ICTT (chaired one session, reviewer) | Nov 2010 | CET |
| 3. | NCTT (chaired one session, reviewer) | Aug 2011 | CET |
| 4. | NCSEE 2013,2014,2015,2016 |  | GCE Kannur |
| 5. | ICETEST 2015(chaired one session) | 9th to 11th Dec 2015 | GEC Thrissur |
| 6. | NET 2016 (chaired one session, reviewer ) | 7th -8yh Oct 2106 | GEC Kozhikode |
| 7 | ICICICT – 2017(chaired one session) | 6th and 7th July 2017 | VJEC, Chemperi, Kannur |

**Administration:**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Position held | Duration | Remarks/ Institution |
| 1. | Lab –in charge of computer lab | June 1991- July 93 | GEC TCR |
| 2 | Lab –in charge of Microwave Lab | Feb 95 – March 96 | GEC TCR |
| 3 | Lab –in charge of Microwave Lab | 1998 -Oct 1999 | CET |
| 4 | Management Representative for the ISO activities of College of Engineering, Trivandrum | Dec 2000 – Nov 2003 | CET |
| 5 | Lab –in charge of computer lab | Dec 2003 – July 2005 | CET |
| 6 | Staff advisor for 2 batches | 1996-2000 batch,  2000-04 batch | CET |
| 7 | Staff advisor | 2010 -2014 batch | GECKKD |
| 8 | Head of Dept, AEI Dept | Nov 1999 – May 2000 | GEC, Calicut |
| 9 | Head of Dept, ECE Dept | Aug 2008 – May 2009 | GEC, SKP |
| 10 | Head of Dept, AEI Dept | June 2009 – Dec 2010 | GEC, Calicut |
| 11 | TEQIP Coordinator | Feb 2013 – June 2013 | GEC SKP |
| 12 | NBA Accreditation co coordinator & in charge of uploading SAR | Aug 2013- May 2014 | GCE Kannur |
| 13 | Head of Dept , ECE Dept | Dec 2013 – Dec 2015 | GCEK |
| 14 | Head of Dept , MCA Dept | Aug 2017 – till date | GEC Tcr |

***Other Achievements***

***Papers Published***

**No. Of Publication:**

|  |  |  |
| --- | --- | --- |
| Sl. No. | Type of publication | No. of Publication |
| 1. | Inter national Journal | 2 |
| 2. | National Journal | 0 |
| 3. | Inter national Conference | 2 |
| 4. | National Conference | 4 |

**International Conferences:**

1. P. Reena and Lillykutty Jacob, “Joint Congestion and Power Control in UWB Based Wireless Sensor Networks”, in Proc. of 32nd IEEE Conference on Local Computer Networks (LCN 2007), pages 911-918, October 15-18, 2007, Dublin, Ireland.
2. P. Reena and Lillykutty Jacob, “Hop-By-Hop versus End-To-End Congestion Control in Wireless Multi-Hop UWB Networks”, 15th International conference on Advanced Computing & Communication, 18 - 21 December, 2007, IIT, Guwahatti.

**Journals:**

1. P. Reena and Lillykutty Jacob,“A cross Layer Design for Congestion Control in UWB Based Wireless Sensor Networks”, International Journal of Sensor Networks (Inderscience Publishers), Vol. 5, No. 4, 2009, pp. 223-235.
2. P. Reena and Lillykutty Jacob,“Scheduling and Power Control for MAC Layer Design in Multihop IR-UWB Networks”, International Journal of Network Management (Wiley Interscience), Vol. 20, Issue 1, pages 1-19, January/February 2010 (published online on May 5, 2009).

# *Other assignments*

1. Chairperson , Board of Examiners, Biomedical Engg., Calicut University)- from March 2010 to May 2012
2. Member, PG board of studies – from April 2010 to March 2013 (Appointed by Calicut University- Ref No GA I/F2/302/2010 dated 30.3.2010)
3. Convenor/Member of expert committee for the preparation of the following M Tech syllabus:
4. Digital Signal Processing (Calicut University) along with Sreelatha G(GEC Kozhikode), Sreelekha G(NITC)
5. VLSI Engg (Calicut University) along with Martin K M, Lalmohan K S(NIELIT)
6. Signal Processing (Calicut University) along with Dr.Abdul Hameed K.M., Shajeemohan B S and Premanand B
7. Digital Electronics (Kannur University) along with Dr. Thajudin Ahammed and Dr. A.Ranjith Ram
8. Convener for the B Tech syllabus revision (IT branch) of Calicut university
9. Member, Expert Committee for Lab inspection (appointed by Calicut University)- from March 2010 Dec 2012
10. Convener, Expert Committee for Lab inspection (appointed by Calicut University)- from March 2013- July 2013 (university changed in July 2013)
11. Served as AICTE Observer for supervising the conduct of CMAT examinations (in Feb 2012, Sept 2012, Sept 2013)
12. Chairperson, Board of Examiners, ECE and AEI branches, Kannur University- from Sept. 2013
13. Served as external examiner for M.Tech. Project evaluation (at GEC Thrissur, MES Kuttippuram, LBS Kasaragod)
14. Examiner for Ph. D. Viva at Sona Engg College, Salem

***Major Consultancy Project***