



REPORT

“ Quantum Computing – Research Perspective in Communication & Health Industry “

Date: 11.12.2023 to 16.12.2023, PANIMALAR ENGINEERING COLLEGE

QUANTUM COMPUTING – RESEARCH PERSPECTIVE IN COMMUNICATION & HEALTH

Quantum computing – research perspective in communication & health 6 Days AICTE ATAL sponsored FDP was conducted from 11th to 16th December 2023 in which around 53 participants from different parts of the country participated.

The speakers for the 6-day workshop on “QUANTUM COMPUTING – RESEARCH PERSPECTIVE IN COMMUNICATION & HEALTH” were:

Dr. R. SANKARANARAYANAN, NIT, Trichy



Topic : Introduction to Quantum Computing and Quantum Algorithms

Name & Affiliation Dr. R. SANKARANARAYANAN

Associate Professor

Department of Physics

National Institute of Technology

Tiruchirappalli 620015, Tamilnadu, India.

(Email: sankar@nitt.edu)

Graduation B.Sc. (Physics) - 1992

St. John's College, Tirunelveli

(Affiliated to Madurai Kamaraj University, Madurai, Tamilnadu.)

Post-Graduation M.Sc. (Physics) – 1994

M.D.T. Hindu College, Tirunelveli.

(Affiliated to Manonmaniam Sundaranar University,
Tirunelveli, Tamilnadu.)

Doctoral Work Ph.D. - 2002

Gujarat University, Ahmedabad, India.

(Work done @ Physical Research Laboratory, Ahmedabad, India.)

Dr. Balakrishnan, Associate Professor, VIT, Vellore



Education

- PhD in Physics, NIT, Trichy (2012)
- M.Sc. in Physics, Nuclear & Theoretical Physics, Madras University(2005)
- B.Sc. in Physics, University of Madras (2003)

Experience

- 2023 to till date – HOD / Physics, VIT, Vellore
- 2014 to 2023 - Associate Professor, VIT, Vellore
- 2013 to 2014 - Post Doctoral Fellow, VIT, Vellore
- 2012 to 2013 – Research Associate, Bharathidasan University, Trichy.

Dr. P. Malliga, Professor & Head, NITTTR, Chennai



Dr P Malliga

Professor of CSE, Head, Dept. of Educational Media and Technology National Institute of Technical Teachers Training and Research (NITTTR), CSIR Road, Taramani, , Tamil Nadu, India - 600113

Professor (2012 – Present)

Department of Computer Science and Engineering
National Institute of Technical Teachers Training and Research, Chennai

Associate Professor (2006 – 2012)

Department of Computer Science and Engineering
National Institute of Technical Teachers Training and Research, Chennai

Lecturer - Senior Scale (1996-2006)

National Institute of Technical Teachers Training and Research, Chennai

Lecturer (1989 – 1996)

Bharath Institute of Higher Education and Research

Dr. Anwar Basha H, Associate Professor, Reva University, Bangalore



Dr. H. Anwar Basha is working as an Associate Professor in the School of Computer Science & Engineering, REVA University, Bangalore, Karnataka. He has obtained his B.E degree from Anna University, Chennai. He has obtained his M.Tech degree from Dr. MGR Educational and Research Institute University, Chennai. He obtained his Ph.D in CSE from Saveetha Institute of Medical and Technical Sciences, Chennai. He is having many certifications like Microsoft Certified Azure Fundamentals, AWS Certified Cloud Practitioner, IBM Certified Data Science Foundation. He has more than 15 + years of teaching experience. He has around 2 Years of Industrial Work experience. He has published papers in various International conferences and peer-reviewed international journals. Currently, He is working on Multi-Cloud Storage, Big Data Analytics and Cyber Security. He has visited the countries like UAE, South Africa, Liberia, Afghanistan, Thailand, Sudan, Zimbabwe

Dr. Jayakumar Vaithiyashankar, IBM Educator, IBM Certified Associate Developer, Bangalore



Quantum Educator | IBM Qiskit Advocate | Senior IEEE Member
Bengaluru, Karnataka, India.

Quantum Educator Quantum Educator
Freelance
Nov 2023 - Present · 2 , Greater Bengaluru Area · On-site

IEEE Quantum Community Member
IEEE · Full-time
Jul 2021 - Present · 2 yrs 6
Washington DC-Baltimore Area

AWS Accredited Educator AWS Accredited Educator
Amazon Web Services (AWS) · Full-time Amazon Web Services (AWS) ·
Full-time
Jul 2019 - Present · 4 yrs 6

Presidency University Bangalore
Full-time · 1 yr 5
Assistant Professor (Senior Grade) Aug 2023 - Present ·
Presidency University Bangalore
Full-time · 1 yr 5
Assistant Professor Aug 2022 – July 2023 ·

Dr. Gayathri, SRMIST, Chennai.



Expertise

Computer Science Theory and Methods, Quantum Computing, Biometric data security, one of the instructor in course " Introduction to quantum circuits" on EDX Platform.

Work experience

1. SRM Institute of Science and Technology 2015 — Present
Assistant Professor, Chennai
2. Dhanalakshmi College of Engineering 2014 — 2015
Assistant Professor, Tambaram
3. Vellore Institute of Technology 2009 — 2009
Assistant Professor, Vellore
4. Sri Manakula Vinayagar Engineering College 2007 — 2009
Lecturer, Puducherry
5. Anjalai Ammal Mahalingam Engineering College 2005 — 2006
Lecturer, Thiruvarur

Education

1. PhD – 2022, SRM Institute of Science and Technology
2. M.E – 2008, Periyar Maniammai College of engineering and technology,
Affiliated to ANNA University
3. B.E – 2005, Krishnasamy College of Engineering and Technology, Affiliated to ANNA University

Dr. Manjula Gandhi, Associate Professor, CIT, Coimbatore.



IBM Qiskit Advocate and IBM Certified Associate Developer-Quantum Computation using Qiskit v0.2X.

Experience

- 2017 – Present **Associate Professor**
Software Systems, Coimbatore Institute of Technology
- 2010 – 2017 **Assistant Professor - Senior Scale**
Computer Applications, Coimbatore Institute of Technology
- 2006 – 2010 **Assistant Professor**
Computer Applications, Coimbatore Institute of Technology
- 2001 – 2006 **Lecturer**
Computer Applications, Coimbatore Institute of Technology

Qualification

- 2015 Ph.D. Anna University, Chennai
- 2009 M.S. (By Research) Anna University, Chennai
- 2001 M.C.A. University of Madras, Chennai
- 1996 B.Sc. (Honours) Maitreyi College, New Delhi

Dr. M. Venkatesan, Head, Department of Computer Science and Engineering, NIT , Puducherry.



- PhD in Computer Science and Engineering (Specialization in **Spatial Data Mining**)
- Over 22-year Teaching Experience
- Worked at **VIT University** from 2001 to 2016 in various capacities
- Worked as Assistant Professor at **NIT Karnataka, Mangalore** from 2016 to 2021
- Working as Assistant Professor & Head at **NIT Puducherry** from 2021 to till date.
- Working in the areas of Database, Data Mining, Data Science, BigData, Geo-Spatial Data Science, Machine Learning, and Data Analytics
- Worked as Academic Coordinator, Sponsored Research, and Industry Consultancy Coordinator.
- Worked as a *Visiting Faculty for 3 months at Monash University, Clayton, Melbourne, Australia from July-November 2006.*
- Completed **ISRO Funded Project** titled “**GIS-Based Early Warning Landslide Susceptibility Model Using Data Mining Classification Approach**”, Fund Rs 10.95 lakhs.
- Completed **DST Funded Ten Days** Training Program on Big Data Analytics, Fund Rs. 6 lakhs, May 2016.
- Completed **DST-SERB One Week** High-End Workshop on “Data Learning for Social Network Analysis on 25-31 July 2022, Fund Rs 5lakhs,
- Executing **ICPS-DST Funded Project** Titled “Multi Graph-based Anomaly Detection Model for Social Network Analysis using Machine Learning” Fund Rs 33lakhs.

Mrs. Prabha, Joint Director, CDAC, Chennai.



Mrs Prabha V A working as a Joint Director at CDAC, Chennai with 17 years of experience in Grid and Cloud computing has a unique passion towards research and development.

She played a dynamic role towards the Strategy and Progression of Meghdoot, a Free and Open Source Cloud Product built over the in-house Bharat Operating System Solutions (BOSS). A Cloud Architect, who leads the team to plan, analyze, design and deploy Cloud. Her contributions include deployment of cloud in TamilNadu Government State Data Center, IDRBT, Green Data Centre Gujarat and Private Organizations like IFTAS, Defence sectors like Army, Navy, Indian Coast Guard and many universities and colleges. Her major R&D Projects includes Design & Development of High Availability Solution and Disaster Recovery solution in Meghdoot Cloud, Meghdoot in HPC Supercomputers and Hyper Converged Infrastructure (HCI) servers and Virtual Desktop Infrastructure Solutions. She is the Program coordinator of the FutureSkills PRIME programme initiated by MeitY, Government of India and NASSCOM for the Cloud Computing Vertical.

The schedule of the FDP was as below-



PANIMALAR ENGINEERING COLLEGE, CHENNAI
Department of Computer Science and Engineering
AICTE Training and Learning (ATAL) Academy Sponsored FDP
on






“Quantum Computing – Research Perspective in Communication & Healthcare Industry”
 (11th December to 16th December 2023)

Session-wise time-table

| Day / Session Time | 11.12.2023 (Monday) | 12.12.2023 (Tuesday) | 13.12.2023 (Wednesday) | 14.12.2023 (Thursday) | 15.12.2023 (Friday) | 16.12.2023 (Saturday) |
|----------------------|--|---|--|---|---|---|
| 9:00 am - 9:30 am | Inauguration | | | | | |
| 9:30 am - 12:00 Noon | Introduction to Quantum Computing. Quantum Algorithm and its Applications. Dr. R. SANKARANARAYANAN, NIT, Trichy | Quantum Cryptography for Communication DR. ANWAR BASHA H Associate Professor / School of CSE REVA University Bengaluru, Karnataka, India | Quantum Computing in the Revolution of AI. Its impact in Communication Industry. Dr. P. Malliga Prof & Head, NITTR | Working with IBM's Qiskit for constructing reversible circuits Dr S. MANJULA GANDHI, CIT, Coimbatore | Quantum Computing for Health Care Analytics Dr. Rasmitha Khilar, Professor, Saveetha University, Chennai | Role of Quantum Computing in Health Sectors Drug Design, Analyzing DNA Dr. K. Tamilarasi, VIT, Chennai |
| 12:00 Noon - 1:00 pm | Article discussion 1 Dr. G.SENHILKUMAR, Professor, PEC, Chennai | Article discussion 2 | Article discussion 3 | Article discussion 4 Dr S. MANJULA GANDHI, CIT, Coimbatore | Article discussion 1 Dr. S. Valarmathi, Professor, PEC, Chennai | Health Applications – Sensors, Wearable Devices Dr. M. VENKATESAN, HOD/CSE, NIT, Puducherry |
| 1:00 pm - 2:00 pm | Lunch | | | | | |
| 2:00 pm - 4:30 pm | Quantum Architecture Model. Basics of Quantum Operators & Universality Dr. S. BALAKRISHNAN, HOD of Physics, VIT, Vellore. | Role of Quantum Computing in Communication Industry. BB84 protocol Dr. GAYATHRI.M, Assoc. Prof. SRMIST | Focus area of Quantum Computing in Health Care Industry Dr. K. Sangeetha, Associate Professor, CSE, PEC | Dr. Jayaku mar Vaitiyashankar, IBM Quantum Educator IBM Qiskit Advocate Mentor IEEE Quantum Community Member, Bangalore, Karnataka, India | Industrial Visit Quantum Computing R & D Society for Electronic Transactions and Security (SETS), Taramani, Chennai | MCQ, Feedbacks and Interactions |
| 4:30 pm - 5:30 pm | Practical sessions/Labs Dr. S. BALAKRISHNAN, HOD of Physics, VIT, Vellore | Practical sessions/Labs Handson session using IBM Qiskit Dr. GAYATHRI.M, Assoc. Prof. SRMIST | Practical sessions/Labs Mrs. V A Prabha, Joint Director, CDAC, Chennai | Practical sessions/Labs IBM Quantum Educator IBM Qiskit Advocate Mentor IEEE Quantum Community Member, Bangalore, Karnataka, India | | Valedictory Session |

Target Participants: This FDP will be beneficial for PG students, Research scholars, faculty members and industry personnel's.


PANIMALAR ENGINEERING COLLEGE
 Department of Computer Science and Engineering
 


ATAL

You are Cordially invited to the inauguration of the
AICTE Training and Learning (ATAL) Academy Sponsored FDP
**“Quantum Computing – Research Perspective in Communication
 & Healthcare Industry”**
11th to 16th December 2023 (Six Days)
 under the auspices of
Dr. P. Chinnadurai, M.A., Ph.D.,
Secretary & Correspondent, Panimalar Group of Institution
Tmt C. Vijaya Rajeswari,
Dr. C. Sakthi Kumar, M.E., Ph.D.,
Dr. Saranya Sree Sakthi Kumar, B.E., M.B.A., Ph.D.,
Directors, Panimalar Group of Institutions
Chief Guest
Dr. R. Sankaranarayanan,
Professor, NIT, Trichy
Venue: Central Library – Conference Hall @ 8.30 am

Dr. L. Jaba Sheela, M.E., Ph.D.,
Professor & HOD
Dr. K. Mani, M.E., Ph.D.,
Principal

Coordinator

Dr. G. Senthilkumar, M.C.A., MPhil., M.B.A., M.E., Ph.D.,

Agenda

AICTE ATAL FDP

**“Quantum Computing – Research Perspective in Communication
 & Healthcare Industry”**

Date : 11.12.2023

Time : 8.30 am

Venue: PEC Central Library – Conference Hall

Attendees : All the Registered participants of FDP /
All Department HOD's /
Faculty members of PEC

Event Heading

- 1) Welcome Address - **Dr. M. Mani, Principal, M.E., Ph.D.,**
- 2) Felicitation of Chief Guest - **Dr. L. Jaba Sheela, HOD, CSE**
- 3) Inaugural Address - **Dr. R. Sankaranarayanan,**
Professor, NIT, Trichy
- 4) Vote of Thanks - **Dr. G. Senthilkumar, Coordinator**

The inauguration was held on 12th December @ Central Library, Panimalar Engineering College at 10:30 am. Under the auspices of **Dr. P. Chinnadurai, M.A., Ph.D.,** Secretary & Correspondent, **Tmt. C. Vijaya Rajeswari, Dr. C. Sakthi Kumar, M.E., Ph.D., Dr. Saranya Sakthi Kumar, B.E., M.B.A., Ph.D.,** Directors, Panimalar Group of Institutions, Chief Guest of the program was **Prof. Sankar Narayanan (Associate Prof, NIT, Trichy),** Guest of Honour of the function were **Dr. M. Mani** (Principal, Panimalar Engineering College, Chennai) and **Dr. L. Jaba Sheela** (Professor & HOD, Co-Coordinator of the FDP) and **Dr. G. Senthilkumar** (Professor & Coordinator of the FDP) chaired the function. Also, **HOD's of different Department, and Faculties** were also present with the **Participants.**

Some screenshots of the inaugural function are as below.



Day1 : 11.12.2023

Session 1: Resource Person

Prof. Sankar Narayanan (Associate Prof, NIT, Trichy)

Topic : Introduction to Quantum Computing, Quantum Algorithm and its Applications



Session 2: Resource Person

Dr. S. BALAKRISHNAN, HOD of Physics, VIT, Vellore

Topic : Quantum Architecture Model. Basics of Quantum Operators & Universality



Day2 : 12.12.2023

Session 3: Resource Person

DR. ANWAR BASHA H, Associate Professor / School of CSE, REVA University, Bengaluru, Karnataka, India

Topic : Quantum Cryptography for Communication



Session 4: Resource Person

Dr. GAYATHRI. M, Assoc. Prof, SRMIST, Chennai

Topic : Role of Quantum Computing in Communication Industry . BB84 Protocol.

Practical Session Practical sessions/Labs Handson session using IBM Qiskit



Day3 : 13.12.2023

Session 5: Resource Person

Dr. P. Malliga, Professor & Head, NITTTR, Chennai

Topic : Quantum Computing in the Revolution of AI. Its impact in Communication Industry.



Session 6: Resource Person

Mrs. V A Prabha, Joint Director, CDAC, Chennai

Topic : Quantum Cloud for Communication



Day4 : 14.12.2023

Session 7: Resource Person

Dr S. MANJULA GANDHI, Associate Professor, CIT, Coimbatore

Topic : Working with IBM's Qiskit for constructing reversible circuits

Practical Session : Handson session using IBM Qiskit



Session 8: Resource Person

**Dr. Jayakumar Vaithiya shankar, IBM Quantum Educator
IBM Qiskit Advocate Mentor
IEEE Quantum Community Member, Bangalore, Karnataka, India**

Topic : Practical Session : Handson session using IBM Qiskit



Day5 : 15.12.2023

Session 9: Resource Person

Dr. Rasmita Khilar, Professor, Saveetha University, Chennai

Topic : Quantum Computing for Health Care Analytics



Industrial Visit

**Quantum Computing R & D
Society for Electronic Transactions and Security (SETS)
Taramani, Chennai**



Day6 : 16.12.2023

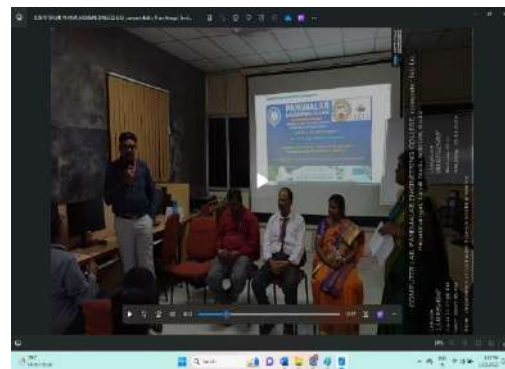
Session 10: Resource Person

Dr. M. VENKATESAN, HOD/CSE, NIT, Puducherry

Topic : Health Applications – Sensors, Wearable Devices



The screenshots of the Valedictory Function:



The list of participants was:-



PANIMALAR ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



AICTE ATAL Sponsored FDP " Quantum Computing - Research Perspective in Communication & Health Industry"

PARTICIPANTS LIST

| S.NO. | Name | status | Institute Name | Designation | MailId | Phone Number |
|-------|------------------------------|----------|---|---------------------|-----------------------------------|--------------|
| 1 | Mr. Mutheeswaran Umapathi | Approved | Vels Institute of science, Technology & Advanced studies. | Assistant Professor | mutheesbme@gmail.com | 9629483001 |
| 2 | Mr. PRABAKERAN S | Approved | SRM Institute of Science and Technology (SRMIST) | Assistant Professor | prabakeran_84@yahoo.co.in | 9042394880 |
| 3 | Dr. Nithyanandam | Approved | Department of Computing Technologies, SRM Institute of Science and Technology, Kattankulathur | Assistant Professor | nnithi81@gmail.com | 9791096292 |
| 4 | Mr. JAGADEESH BABU V | Approved | Velammal engineering college | Assistant Professor | babjagadeesh@gmail.com | 8667720499 |
| 5 | Mr. rajkumar srinivasan | Approved | velammal engineering college | Assistant Professor | rajkumar.srinivasan1980@gmail.com | 9445671651 |
| 6 | Mrs. REKHA Y | Approved | Agni College of Technology, Chennai | Assistant Professor | rekhapremsagar@gmail.com | 9176497744 |
| 7 | Dr. R Manikandan | Approved | Panimalar Engineering College | Professor | money_kandan2004@yahoo.co.in | 9444007821 |
| 8 | Dr. Shobana Mahalingam | Approved | SRM Institute of Science and technology | Assistant Professor | mshobana2008@gmail.com | 9600019629 |
| 9 | Mrs. Gundala Pallavi | Approved | Amrita Vishwa vidhyapeetham | Research scholar | pallavimaliswari@gmail.com | 8919629175 |
| 10 | Dr. TAMILARASI K | Approved | VELLORE INSTITUTE OF TECHNOLOGY, CHENNAI | Assistant Professor | tamilarasigavis@gmail.com | 9551640501 |
| 11 | Mr. V.VASUDHEVAN | Approved | PANIMALAR ENGINEERING COLLEGE | Assistant Professor | vasudhevan.vee@gmail.com | 9952993153 |
| 12 | Dr. Sworna Kokila M L | Approved | SRM INSTITUTE OF SCIENCE AND TECHNOLOGY | Assistant Professor | kokilalive@gmail.com | 9443556548 |
| 13 | Mr. BALAJI S R | Approved | Panimalar Engineering College | Associate Professor | balasrb2000@gmail.com | 9942575509 |
| 14 | Dr. Bibin Christopher | Approved | SRM Institute of Science and Technology | Assistant Professor | bibinchrist@gmail.com | 9944218820 |
| 15 | Dr. Ramya | Approved | SRM Institute of Science and Technology | Assistant Professor | ramyag3@srmist.edu.in | 9884655522 |
| 16 | Dr. Hemakumar | Approved | Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology | Professor | hemakumar@veltech.edu.in | 9840653953 |
| 17 | Mr. Radhakrishnan P | Approved | SR University | Assistant Professor | rksiva13@gmail.com | 9176529282 |
| 18 | Dr. JEEN RETNA KUMAR R | Approved | Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology | Assistant Professor | drjeenretna@veltech.edu.in | 8903935873 |
| 19 | Dr. GNANAPRAKASH V | Approved | VEL TECH RANGARAJAN DR.SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY | Assistant Professor | gnanaprakashvp@gmail.com | 6369169886 |
| 20 | Mrs. A.SHEELA | Approved | Sri Sairam Engineering College | Assistant Professor | sheela.cse@sairam.edu.in | 9884973270 |
| 21 | Dr. Kalaisevi | Approved | SRM Institute of science and technology | Assistant Professor | mkkalai1981@gmail.com | 9962572473 |
| 22 | Dr. N.Bala Sundara Ganapathy | Approved | Panimalar Engineering College | Professor | balabsg@gmail.com | 9841656211 |
| 23 | Dr. Radhika R | Approved | SRM IST KTR | Assistant Professor | radhikar2@srmist.edu.in | 9443260085 |

| | | | | | | |
|----|-----------------------------|----------|---|---------------------|-----------------------------------|------------|
| 24 | Mrs. Menaga Pravinkumar | Approved | Rajalakshmi Engineering College | Assistant Professor | menaga.p@rajalakshmi.edu.in | 9500958682 |
| 25 | Miss MAHARASI M | Approved | Rajalakshmi Engineering College | Assistant Professor | maharasi.m@rajalakshmi.edu.in | 9952826105 |
| 26 | Dr. K.Arthi | Approved | SRM Institute of Science and Technology | Associate Professor | arthik1@srmist.edu.in | 9444502625 |
| 27 | Mrs. Jackulin.C | Approved | Panimalar Engineering College | Assistant Professor | chin.jackulin@gmail.com | 8939229230 |
| 28 | Dr. DrKSangeetha | Approved | Panimalar Engineering College | Associate Professor | sangeethakalyaniraman@gmail.com | 9842294123 |
| 29 | Dr. Rashmita Khilar | Approved | Sangeetha School of Engineering | Professor | rashmita.khilar@gmail.com | 9940220629 |
| 30 | Miss Mary christeena Thomas | Approved | VELTECH | Assistant Professor | teenablue123@gmail.com | 8667800942 |
| 31 | Mrs. Saini Rajendran | Approved | Panimalar Engineering College | Assistant Professor | shalinirajendran@gmail.com | 7010811123 |
| 32 | Dr. N SENTHAMARAI | Approved | SRM Institute of Science and Technology | Assistant Professor | senthann@srmist.edu.in | 8838222378 |
| 33 | Mr. Natarajan B | Approved | Sastra Deemed University | Research Scholar | natarajan@cse.sastra.ac.in | 9080041744 |
| 34 | Dr. M.Jeyaselvi | Approved | SRM Institute of Science and Technology | Assistant Professor | drjeyaselvi2020@gmail.com | 9894371680 |
| 35 | Dr. Pughazendi N | Approved | Panimalar Engineering College | Professor | pughazendi@gmail.com | 9962969429 |
| 36 | Mr. VIVEK.C | Approved | PANIMALAR ENGINEERING COLLEGE | Assistant Professor | vkundar7@gmail.com | 9487954615 |
| 37 | MISS SANGEETHA KRISHNAN | Approved | KCG COLLEGE OF TECHNOLOGY | Assistant Professor | sangeetha.cse@kcgcollege.com | 9600568719 |
| 38 | Mrs. Devi Ramakrishnan | Approved | KCG college of Technology | Assistant Professor | deviramakrishnan83@gmail.com | 9698798323 |
| 39 | Dr. Mala K | Approved | Mepco Schlenk Engineering College | Professor | kmala@mepcoeng.ac.in | 9486963263 |
| 40 | Mrs. INDUMATHI V | Approved | SRM Institute of Science & Technology | Teaching Associate | indumatv1@srmist.edu.in | 8148873345 |
| 41 | Miss E THENMOZHI | Approved | KINGS ENGINEERING COLLEGE | Assistant Professor | ethenmozhi@kingsedu.ac.in | 7200111637 |
| 42 | Mrs. SANTHANALAKSHMI S T | Approved | Panimalar Engineering College | Associate Professor | santhanalakshmi.phd2020@gmail.com | 8939275959 |
| 43 | Mrs. P.DEEPA | Approved | Panimalar Engineering College | Associate Professor | mca_deepa@yahoo.com | 9444293332 |
| 44 | Miss PRAMYA | Approved | PANIMALAR ENGINEERING COLLEGE | M.E | Ramyaprabakaran2001@gmail.com | 9176603427 |
| 45 | Mr. Kishore Murali | Approved | Panimalar Engineering College | M.E | mkavikishore@gmail.com | 9952184633 |
| 46 | Mr. Karthick Aravind B | Approved | Panimalar Engineering College | Student | thekarthickaravind@gmail.com | 9176172447 |
| 47 | Mr. MAGUDAPATHY. B | Approved | PANIMALAR ENGINEERING COLLEGE | ME | magudapathy53@gmail.com | 9363077815 |
| 48 | Miss M.S. DIVYA DHARSHINI | Approved | Panimalar Engineering college | M. E | dharshnimshd@gmail.com | 9342770383 |

| | | | | | | |
|----|-------------------|----------|-------------------------------|---------------------|--------------------------------|------------|
| 49 | Mr. Sathish N | Approved | SRMIST, RAMAPURAM | Assistant Professor | nsathishme@gmail.com | 9942891066 |
| 50 | Mr. KARTHIKEYAN A | Approved | Panimalar Engineering College | Assistant Professor | keyanmailme@gmail.com | 8680086215 |
| 51 | Mr. Magesh S | Approved | Panimalar Engineering College | Student | smsmagesh06@gmail.com | 9710924337 |
| 52 | Mr. Mahendran | Approved | Panimalar Engineering College | Assistant Professor | mahendran6983@gmail.com | 9962172232 |
| 53 | Dr. P.S.RAMAPRABA | Approved | Panimalar Engineering college | Professor | ramaprabatamilselvan@gmail.com | 9841630086 |

Some of the feedback received for the FDP in ATAL portal are as below:

| | |
|--|---|
| FDP Title : | QUANTUM COMPUTING - Research Perspective in Communication & Healthcare Industry |
| FDPs held at (Institute/Organisation Name) : | PANIMALAR ENGINEERING COLLEGE |
| From: | 2023-12-11 |
| To : | 2023-12-16 |
| Course Code: | 1691393428 |

Ratings have been provided on a **5-point scale**.

1. You strongly disagree with the statement
2. You disagree with the statement
3. You neither agree nor disagree with the statement
4. You agree with the statement
5. You strongly agree with the statement

About the Content of the FDPs

The FDPs Workshop content was relevant for me 5

The content of the FDPs Workshop was very comprehensive 5

The content of the FDPs Workshop was not repeated 5

The OVERALL content of the FDPs was excellent 5

About Trainers and Teaching

The trainers had very strong expertise in the area 5

| | |
|---|------------------|
| All the trainers made the FDPs very interesting | 5 |
| The trainers were very well prepared for the FDPs | 5 |
| About the FDPs Workshop | |
| The FDPs timings were very convenient | 5 |
| The pedagogy used in the FDPs Workshop was very appropriate | 5 |
| There were sufficient breaks in between sessions | 5 |
| Workshop Assessment | |
| The FDPs assessment was very suitable | 5 |
| The FDPs assessment was not at all difficult | 4 |
| Administrative Support | |
| I did not face any connectivity issue because of the portal | 5 |
| The Audio and Video quality were excellent | 5 |
| The registration process was extremely efficient and smooth | 5 |
| The ATAL academy website is easy to navigate | 5 |
| Information about ATAL academy was easily available | 5 |
| OVERALL – how would you rate the FDPs Workshop | |
| Considering your overall with the FDPs Workshop, how likely are you to recommend the FDPs Workshops conducted by ATAL academy to your friend or colleague? <small>This question is answered on a 10-point scale with 1 being Highly UNLIKELY to Recommend and 10 being Will definitely Recommend</small> | 10 |
| Resource Persons | |
| 1st Best resource person/faculty: | VENKATESAN M |
| 2nd Best resource person/faculty: | MANJULA GANDHI S |

Some of the feedback received for the FDP in WhatsApp are as below

It was a great Initiative by ATAL Academy. I am thankful to AICTE for giving me this opportunity to conduct online FDP for faculty members of technical institute of India free of cost. I got huge response for registration as well as lots of compliment of arranging the online workshop, content and hands on.

