

# CURRICULUM VITAE

## Dr. D. Asir Antony Gnana Singh

Department of Computer Science and Engineering  
University College of Engineering (UCE)  
BIT Campus, Anna University  
Tiruchirappalli – 620 024, Tamil Nadu, India.



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📄 **Faculty Profile [Vidwan-ID]:** 437913

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## 🔗 Research Profiles

- **Google Scholar:** [hqAUPn8AAAAJ](https://scholar.google.com/citations?user=hqAUPn8AAAAJ)
- **Web of Science Researcher ID:** Q-1757-2016
- **Scopus Author ID:** 55489676000
- **ORCID **: 0000-0002-4913-2886

## 🔍 Research Interests

- Artificial Intelligence, Machine Learning, and Deep Learning
- Evolutionary Computation
- Data Science and Big Data Analytics
- Image Processing
- Sensor Networks and Internet of Things (IoT)
- Cloud Computing
- Computer Networks and Embedded Systems
- Bioinformatics and Computational Biology
- Occupational Stress and Human Resource Management
- Curriculum Design and Engineering Education Pedagogy

## 🎓 Academic Credentials

- **Ph.D.** in Information and Communication Engineering  
*Anna University, Chennai, India*
- **M.B.A.** in Human Resource Management  
*Anna University, Chennai, India*
- **M.E.** in Computer Science and Engineering  
*Anna University, Chennai, India*
- **B.E.** in Computer Science and Engineering  
*Anna University, Chennai, India*

## Professional Experience

- **Teaching Fellow**  
Anna University, BIT Campus, Tiruchirappalli, India  
*Dec 2012 – Present*
- **Assistant Professor**  
M.I.E.T Engineering College, Tiruchirappalli, India  
*Jul 2011 – Dec 2012*
- **Lecturer / Head of Department (In-charge)**  
St. Joseph College of Engineering and Technology, Dar es Salaam, Tanzania  
*Aug 2009 – Mar 2011*
- **Lecturer**  
SAMS College of Engineering and Technology, Chennai, India  
*Jun 2008 – May 2009*

## Teaching Excellence Recognitions

- Awarded the “**Achieved 100% Pass Result Award (2023–2024)**” for achieving a 100% pass rate in the *Energy Technology* course during the university examination.
- Awarded the “**Achieved 100% Pass Result Award (2021–2022)**” for achieving a 100% pass rate in the *Object-Oriented Programming* course during the university examination.
- Awarded the “**Achieved 100% Pass Result Award (2020–2021)**” for achieving a 100% pass rate in the *Operating Systems* course during the university examination.
- Awarded the “**Achieved 100% Pass Result Award (2019–2020)**” for achieving a 100% pass rate in the *Object-Oriented Programming* course during the university examination.
- Awarded the “**Achieved 100% Pass Result Award (2018–2019)**” for achieving a 100% pass rate in the *Ad Hoc and Sensor Networks* course during the university examination.

## Academic Publications and Scholarly Contributions

### Books Published

- *Machine Learning with Java and Weka API: A Hands-on Approach*, ISBN: 978-93-91556-46-4
- *Basics of Bioinformatics with Python, Biopython and Weka: A Practical Approach*, ISBN: 978-93-91556-47-1
- *Statistical Analysis in Engineering Research: Information and Communication Engineering Perspective*, ISBN: 978-62-00117-03-8

- *Data Warehousing and Business Intelligence: A Pragmatic Approach*, ISBN: 978-62-00117-05-2
- *Decision Making in Enterprises: A Machine Learning Approach: Concepts, Tools and Techniques*, ISBN: 978-33-30033-06-1

#### Edited Book Published

- *Proceedings of Conference on Intelligent Computing and Communication Networks (CICCN 2021)*, ISBN: 978-93-92892-09-7

#### Book Chapters Published

- *Pragmatic Investigation on Performance of Instance Based Learning Algorithm*, in Artificial Intelligence and Evolutionary Computations in Engineering Systems, Springer Singapore, ISBN: 978-981-10-3174-8
- *Identifying Sensitive Attributes for Preserving Privacy*, in Artificial Intelligence and Evolutionary Computations in Engineering Systems, Springer Singapore, ISBN: 978-981-10-3173-1
- *Analysis of Cloud Environment Using CloudSim*, in Artificial Intelligence and Evolutionary Computations in Engineering Systems, Springer Singapore, ISBN: 978-981-10-7867-5

#### International Journal Publications

- *Identifying Redundant Features Using Unsupervised Learning for High-Dimensional Data*, SN Applied Sciences, Springer, ISSN: 2523-3971.  
DOI: 10.1007/s42452-020-3157-6
- *An Unsupervised Feature Selection Algorithm with Feature Ranking for Maximizing Performance of the Classifiers*, International Journal of Automation and Computing, Springer, ISSN: 1476-8186.  
DOI: 10.1007/s11633-014-0859-5
- *A Novel Feature Selection Method for Image Classification*, Optoelectronics and Advanced Materials – Rapid Communications, ISSN: 1842-6573.  
[Link]
- *Model Based Outlier Detection System with Statistical Preprocessing*, Journal of Modern Applied Statistical Methods, ISSN: 1538-9472.  
DOI: 10.22237/jmasm/1462077480
- *A Novel Filter Based Feature Selection for Image and Signal Classification*, Journal of Optoelectronics and Advanced Materials, ISSN: 1454-4164.  
[Link]
- *Smart Irrigation System Using Wireless Sensor Network with Cooja and Contiki*, International Journal of Automation and Smart Technology, ISSN: 2223-9766.  
DOI: 10.5875/ausmt.v9i1.1859

- *Dimensionality Reduction for Classification and Clustering*, International Journal of Intelligent Systems and Applications, ISSN: 2074-9058.  
DOI: 10.5815/ijisa.2019.04.06
- *Cuckoo Optimization Based Intrusion Detection System for Cloud Computing*, International Journal of Computer Network and Information Security, ISSN: 2074-9104.  
DOI: 10.5815/ijcnis.2018.11.05
- *Dimensionality Reduction Using Genetic Algorithm for Improving Accuracy in Medical Diagnosis*, International Journal of Intelligent Systems and Applications, ISSN: 2074-904X.  
DOI: 10.5815/ijisa.2016.01.08
- *Machine Learning Based Business Forecasting*, International Journal of Information Engineering and Electronic Business, ISSN: 2074-9031.  
DOI: 10.5815/ijieeb.2018.06.05
- *Feature Selection Using Rough Set for Improving the Performance of the Supervised Learner*, International Journal of Advanced Science and Technology, ISSN: 2005-4238.  
DOI: 10.14257/ijast.2016.87.01
- *Software Fault Detection Using Honey Bee Optimization*, International Journal of Applied Information Systems, ISSN: 2249-0868.  
DOI: 10.5120/ijais2016451565
- *Literature Review of Feature Selection Methods for High Dimensionality Data*, International Journal of Computer Applications, ISSN: 0975-8887.  
DOI: 10.5120/ijca2016908317
- *Plant Disease Detection System Using Bag of Visual Words*, International Journal of Information Technology and Computer Science, ISSN: 2074-9015.  
DOI: 10.5815/ijitcs.2018.09.07
- *Competency-Based Calisthenics of Learning Outcomes for Engineering Education*, International Journal of Education and Learning, ISSN: 2234-8034.  
[Link]
- *FMDFB based speckle mitigation in gallstone ultrasound images*, Journal of Optical Society America A, ISSN: 1084-7529.  
DOI: 10.1364/JOSAA.31.000283
- *On Teaching Digital Image Processing with MATLAB*, American Journal of Signal Processing, ISSN: 2165-9354.  
DOI: 10.5923/j.ajsp.20140401.02
- *Enhancing the Performance of Classifier Using Particle Swarm Optimization (PSO)-based Dimensionality Reduction*, International Journal of Energy, Information and Communications, ISSN: 2093-9655.  
DOI: 10.14257/ijeic.2015.6.5.03

- *A Compendium of Nano Materials and their Applications in Smart Nano Textiles*, Research Journal of Nanoscience and Nanotechnology, ISSN: 1996-5044.  
DOI: 10.3923/rjnn.2015.44.59
- *On the Suitability of Multiscale Image Representation Schemes as Applied to Noise Removal*, International Journal of Innovative Computing, Information and Control (IJICIC), ISSN: 1349-4198.  
[Link]
- *IHNS: A Pragmatic Investigation on Identifying Highly Noisy Subband in FMDFB for Fixing Threshold to Deteriorate Noise in Images*, Information Technology Journal, ISSN: 1812-5646.  
DOI: 10.3923/itj.2013.1289.1298
- *Enhanced Modified Decision Based Unsymmetric Trimmed Median Filter for Salt and Pepper Noise Removal*, International Journal of Imaging and Robotics, ISSN: 2231-525X.  
[Link]
- *A Comprehensive Study on Wavelet Based Shrinkage Methods for Denoising Natural Images*, WSEAS Transactions on Signal Processing, ISSN: 1790-5052.  
[Link]
- *Salt and Pepper Noise Detection and Removal in Gray Scale Images: An Experimental Analysis*, International Journal of Signal Processing, Image Processing and Pattern Recognition, ISSN: 2005-4254.  
DOI: 10.14257/ijsp.2013.6.5.30

## International and National Conference Publications

- An Empirical Study on Dimensionality Reduction and Improvement of Classification Accuracy Using Feature Subset Selection and Ranking, *IEEE International Conference on Emerging Trends in Science, Engineering and Technology (INCOSSET)*, ISBN: 978-1-4673-5144-7/12
- Towards Higher Accuracy in Supervised Learning and Dimensionality Reduction by Attribute Subset Selection – A Pragmatic Analysis, *IEEE International Conference on Advanced Communication Control and Computing Technologies (ICACCT)*, ISBN: 978-1-4673-2048-1
- Experimental Study on Feature Selection Methods for Software Fault Detection, *IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT)*, ISBN: 978-1-5090-1277-0
- Efficient Broadcast Algorithm for Reducing Number of Transmissions in Wireless Adhoc Networks, *International Conference on Advances in Engineering and Technology*, ISBN: 978-819-089-8065
- MHR Multimodal Hybrid Routing Protocol for MANET, *International Conference on Integrating Innovative and Sustainable Engineering Technologies in Achieving Millennium Development Goals*, The Institution of Engineers, Arusha, Tanzania

- Reversible Data Hiding Using 2D Histogram, *International Conference on Recent Trends in Engineering and Technology*, Mount Zion College of Engineering and Technology, Pudukkottai
- A Survey on Energy Efficiency Techniques in Cloud Computing, *TEQIP II Sponsored National Conference on Recent Innovation in Information Technology (NCRIIT 16)*, UCE, BIT Campus, Anna University, ISBN: 978-938-062-2224
- Study on Human–Wildlife Conflict and Detection on Animal Intrusion, *TEQIP II Sponsored National Conference on Recent Innovation in Information Technology (NCRIIT 16)*, UCE, BIT Campus, Anna University, ISBN: 978-938-062-2224
- Study on Web-Based Water Resource Management, *TEQIP II Sponsored National Conference on Recent Innovation in Information Technology (NCRIIT 16)*, UCE, BIT Campus, Anna University, ISBN: 978-938-062-2224
- Web Application for Finding Higher Education and Job, *TEQIP II Sponsored National Conference on Nascent Technologies in Signal Processing and Communication*, UCE, BIT Campus, Anna University, ISBN: 978-938-062-2163
- Study on CP-ABE in Private Cloud for Military Application, *TEQIP II Sponsored National Conference on Nascent Technologies in Signal Processing and Communication*, UCE, BIT Campus, Anna University, ISBN: 978-938-062-2163
- Gaussian noise removal in gray scale images using fast Multiscale Directional Filter Banks, *IEEE International Conference on Recent Trends in Information Technology (ICRTIT)*, 2011, pp. 884–889.
- IATARPA: Implementation of Anonymity Threat Avoidance Routing Protocol Architecture for MANET, *IEEE International Conference on Advanced Computing*, Dec 2011, pp. 321–326.
- CORDIC iterations based architecture for low power and high quality DCT, *IEEE International Conference on Recent Trends in Information Technology (ICRTIT)*, 2014, pp. 1–5.
- Denoising Techniques For Medical Images - A Comparative Analysis, *Second National Conference on Recent Trends in Communication, Computation and Security*, March 2012, pp. 313–316.
- On Image Denoising Techniques for Natural Images, *Second National Conference on Recent Trends in Communication, Computation and Security*, March 2012, pp. 267–271.
- Wavelet Thresholding Technique for Mixed Poisson Gaussian Noise Removal, *Second National Conference on Recent Trends in Communication, Computation and Security*, March 2012, pp. 425–429.
- On Methods of Denoising Applied to Florescence Confocal Microscopy Images, *Second National Conference on Recent Trends in Communication, Computation and Security*, March 2012, pp. 272–274.

- Design and Implementation of Online Construction Cost Estimation and Planning System, *TEQIP II Sponsored National Conference on Recent Innovation in Information Technology (NCRIIT 16)*, UCE, BIT Campus, Anna University, ISBN: 978-938-062-2224
- An Experimental Study on Image Quality Assessment Methods and Metrics, *National Conference on Image Processing and VLSI*, March 2012, Velammal Engineering College, pp. 264–267.
- An Analysis of Computational Complexity of Multiscale Image Representation Schemes, *National Conference on Emerging Trends in Electrical and Electronics Engineering*, University College of Engineering Panruti, 13th March 2013.

## Projects Guided

- Supervised 15 Postgraduate (PG) Projects
- Supervised 45 Undergraduate (UG) Project Batches

## Seminars, Workshops and Conferences Organized

- Conference on "*Intelligent Computing and Communication Networks (CICCN 2021)*"  
UCE, BIT Campus, Anna University, Tiruchirappalli, India  
 26<sup>th</sup> to 27<sup>th</sup> February 2021
- One-Day National-Level Workshop on "*Data Warehousing and Business Intelligence: An Industrial Perspective*"  
UCE, BIT Campus, Anna University, Tiruchirappalli, India  
 18<sup>th</sup> October 2014
- Two-Day TEQIP-II Sponsored National Seminar on "*Enterprise Computing*" (*SEC-omp'13*)  
UCE, BIT Campus, Anna University, Tiruchirappalli, India  
 19<sup>th</sup>–20<sup>th</sup> October 2013
- One-Day National-Level Seminar on "*Data Mining in Network Security – Challenges & Opportunities: A Research Perspective*"  
UCE, BIT Campus, Anna University, Tiruchirappalli, India  
 23<sup>rd</sup> February 2013
- One-Day Workshop on "*Training on Competence-Based Curriculum Development*"  
St. Joseph College of Engineering and Technology, Dar es Salaam, Tanzania  
 12<sup>th</sup> October 2010

## Expert Lectures, FDPs, Workshops and Seminars Delivered

- Served as a resource person for the Faculty Development Program on “*Advancements of Artificial Intelligence in the Present and Future*”, held on 14th and 15th July 2025, organized by the *Department of CSE, Trichy Engineering College, Tiruchirappalli*, and delivered a presentation titled “**Fundamentals of AI and its Applications**” on 14th July 2025 (AN).
- Provided hands-on training on **Fundamentals of Machine Learning** at *Department of CSE, Chettinad College of Engineering & Technology, Karur* on 21st July 2023.
- Served as resource person for the workshop on **Machine Learning – A Hands-on Approach using Python** on 11th March 2023 organized by *Department of CSE, BIT Campus, Tiruchirappalli-24*.
- Served as resource person for one-day workshop on **Scikit-Learn for ML Applications**, organized by *Department of CSE/IT, Anna University, BIT Campus, Tiruchirappalli, India* on 23rd February 2023.
- Provided hands-on training on **Applications of Data Science using Python** on 18th February 2023 at *Department of CSE, Sudharsan Engineering College, Sathiyamangalam, Pudukkottai-622 501*.
- Delivered a technical talk on **Applications of Data Science using Python** at *Department of CSE, M.I.E.T. Engineering College, Tiruchirappalli-620 007* on 18th November 2022.
- Delivered an expert session on **Exploratory Session on Bioinformatics with Biopython – II** on 4th September 2022 in the 40-hour online Faculty Development Programme on *Recent Trends in Bioinformatics* (Interdisciplinary), organized by *E&ICT Academy, NIT Warangal* and *University College of Engineering (BIT Campus), Anna University, Tiruchirappalli* during 26th August to 4th September 2022.
- Delivered an expert session on **Exploratory Session on Bioinformatics with Biopython – I** on 31st August 2022 in the 40-hour online Faculty Development Programme on *Recent Trends in Bioinformatics* (Interdisciplinary), organized by *E&ICT Academy, NIT Warangal* and *University College of Engineering (BIT Campus), Anna University, Tiruchirappalli* during 26th August to 4th September 2022.
- Delivered a technical talk with demonstration on **Machine Learning in Computational Biology** at *Department of Bioinformatics, Bharathidasan University, Tiruchirappalli - 620 024* on 29th August 2022.
- Delivered a guest lecture on **Machine Learning and Its Applications** at *Department of CSE, Mookambigai College of Engineering, Kalamavur, Pudukkottai* on 26th August 2022.
- Delivered an expert session on **Bioinformatics with Biopython** on 17th May



2022 in the 40-hour online Faculty Development Programme on *Bioinformatics: Algorithms, Applications and Tools* (Interdisciplinary), organized by *E&ICT Academy, NIT Warangal* and *University College of Engineering (BIT Campus), Anna University, Tiruchirappalli* during 16th–25th May 2022.

- Served as resource person to provide hands-on training in **Bioinformatics with WEKA Exploratory Session I & II** on 4th June 2021 in the 40-hour Online Faculty Development Programme on *Basics of Bioinformatics* (Interdisciplinary), organized by *E&ICT Academy, NIT Warangal* and *University College of Engineering (BIT Campus), Anna University, Tiruchirappalli* during 26th May to 4th June 2021.
- Delivered a **Motivational Lecture** on 21st November 2020 through online mode for the First Year Induction Programme 2020 at *Department of Computer Science and Engineering, University College of Engineering, BIT Campus, Tiruchirappalli-24*.
- Delivered a lecture on **Department Association Activities** on 17th November 2020 through online mode for the First Year Induction Programme 2020 at the same department.
- Delivered a lecture on **Personality Development** on 15th November 2020 through online mode for the First Year Induction Programme 2020 at the same department.
- Served as resource person for the One Day Hands-On Workshop on **Machine Learning** held on 10th March 2020 during the National Level Technical Symposium “Fenix 2020”, organized by *Department of Computer Science and Engineering, University College of Engineering, Anna University, BIT Campus, Tiruchirappalli-24*.
- Provided hands-on training for One Day Workshop on **Machine Learning** organized by *Department of CSE, Sudharsan Engineering College, Sathiyamangalam, Pudukkottai District* on 3rd March 2018.
- Provided hands-on training for One Day Seminar on **Knowledge Discovery with Weka**, organized by *Department of CSE, Vivekanandha College of Engineering for Women (Autonomous), Namakkal* on 24th February 2018.
- Delivered a technical talk on **Statistical Analysis of Experimental Results** on 6th July 2016 in TEQIP–II Sponsored FDP on *Top Tech Trends – Driving the Future of Information Technology*, organized by *Department of CSE/IT, Anna University, BIT Campus, Tiruchirappalli-24*.
- Delivered a technical talk on **Statistical Analysis of Experimental Results** on 17th June 2016 in TEQIP–II Sponsored FDP on *HAICERP-2K16*, *Department of ECE, Anna University, BIT Campus, Tiruchirappalli-24*.
- Provided hands-on training for One Day National Level Workshop on **Data Warehousing and Business Intelligence: An Industrial Perspective** organized by *Department of CSE/IT, Anna University, BIT Campus, Tiruchirappalli* on 18th October 2014.
- Provided hands-on training on **Data Mining with WEKA** at *Department of CSE, Sri Bharathi Engineering College for Women, Pudukkottai* on 12th September 2014.

- Delivered a technical talk on **Enterprise Computing** in TEQIP-II sponsored Faculty Development Program on *Paradigms on Computing*, organized by *Department of CSE/IT, Anna University, BIT Campus, Tiruchirappalli* on 3rd December 2013.
- Delivered a technical talk on **Decision Making in Enterprise Computing** in Two Days TEQIP II Sponsored National Seminar on *Enterprise Computing*, organized by *Department of CSE/IT, Anna University, BIT Campus, Tiruchirappalli* on 19th October 2013.
- Delivered a lecture on **Computer Networks** for Faculty Development Training Programme sponsored by *Centre for Faculty Development, Anna University, Chennai* and organized by *Department of CSE/IT, Anna University, BIT Campus, Tiruchirappalli* on 4th June 2013.
- Delivered a technical talk on **Data Mining in Network Security – Challenges & Opportunities: A Research Perspective** in One Day National Level Seminar, organized by *Department of Computer Science and Engineering, Anna University, BIT Campus, Tiruchirappalli* on 23rd February 2013.
- Served as resource person in One Day Workshop on **Training on Competence Based Curriculum Development**, organized by *St. Joseph College of Engineering and Technology, Dar Es Salaam, Tanzania* on 12th October 2010.

## Editorial Engagements and Technical Event Chairing

### Reviewer / Editor of Journals

- *IEEE Transactions on Systems, Man, and Cybernetics: Systems* (ISSN: 2168-2216)
- *IEEE Access* (ISSN: 2169-3536)
- *Pattern Recognition* (ISSN: 0031-3203)
- *Journal of Experimental & Theoretical Artificial Intelligence* (ISSN: 1362-3079)
- *KSII Transactions on Internet and Information Systems* (ISSN: 976-7277)
- *Journal of Wireless Networking and Communications* (ISSN: 2167-7336)
- *American Journal of Intelligent Systems* (ISSN: 2165-8994)

### Chairperson for Conferences, Seminars and Technical Symposia

- Served as **Session Chair** of *Prayuddha'18*, National Level Technical Symposium, conducted by the Department of Information Technology, University College of Engineering, Anna University, BIT Campus, Tiruchirappalli, on **9<sup>th</sup>–10<sup>th</sup> March 2018**.
- Served as **Jury Member** for the *TEQIP II Sponsored Two-Day National Conference on Communication and Computing Technologies*, held on **11<sup>th</sup>–12<sup>th</sup> August 2016**.
- Served as **Jury Member** for the *ICT Project Exhibition*, held at the University of Dar es Salaam, Tanzania, on **3<sup>rd</sup> July 2010**.

## ☰ Additional Academic and Administrative Responsibilities

- **Department Coordinator** – *Center for International Affairs*
- **Department Coordinator** – *Industry Collaboration*
- **Coordinator** – *Establishment of Cisco Networking Academy*
- **Coordinator** – *Student Association for Professional Activities (SOFTPRO)*
- **Editor** – *Department Newsletter*
- **Team Member** – *National Board of Accreditation (NBA) Task Force*
- **Mentor** – *National-level Hackathon Events*
- **Member** – *Study Hours Monitoring Committee, Boys Hostel*
- **Committee Member** – *Graduation Day*
- **Class Coordinator** – *M.E. Computer Science and Engineering*
- **Class Coordinator** – *M.E. Mobile and Pervasive Computing*
- **Class Coordinator** – *M.E. Software Engineering*
- **Class Coordinator** – *B.E. Computer Science and Engineering*

## 👤 Memberships in Scientific and Professional Societies

- *The Institution of Electronics and Telecommunication Engineers (IETE), India*
- *International Association of Engineers (IAENG), Hong Kong*
- *The Institution of Engineers, Tanzania*

## 👤 Seminars, FDPs and Workshops Attended

- **AI and Deep Learning**, Online FDP jointly organized by E&ICT Academies at PDPM IITDM Jabalpur, MNIT Jaipur, IIT Roorkee, NIT Patna, and IIT Guwahati under MeitY, Govt. of India.  
*1–23 February 2025*
- **Role of Generative AI and its Applications in Today's Era**, AICTE ATAL FDP at Banarsidas Chandiwalla Institute of Information Technology, Delhi  
*13–18 January 2025*
- **Speech, Audio and Image Processing Using Deep Learning Techniques**, Online FDP by E&ICT Academy, NIT Warangal and UCE, Anna University, Ramanathapuram.  
*7–17 June 2021*

- **ICT Tools for Teaching, Learning Process and Institute**, MeitY-supported FDP jointly by E&ICT Academies.  
*10–21 August 2020*
- **Data Science for All**, Online FDP jointly by NIT Warangal, IIITDM Jabalpur, and NIT Patna.  
*27 July – 8 August 2020*
- **Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB**, MeitY-supported FDP under E&ICT Academies scheme.  
*13–24 July 2020*
- **Machine Learning for Computer Vision**, Online FDP jointly organized by E&ICT Academies.  
*29 June – 8 July 2020*
- **Deep Learning and Applications**, One-week FDP organized at UCE, BIT Campus, Anna University.  
*9–13 December 2019*
- **Writing Engineering and Technology in Tamil**, One-day seminar at Anna University, Tiruchirappalli.  
*23 October 2019*
- **Analog Discovery Kit**, One-day workshop organized by Department of ECE, UCE, BIT Campus, Anna University, Tiruchirappalli, India  
*7 June 2019*
- **IoT and Android App Development using MATLAB/Simulink**, National Workshop at Department of CSE, UCE, BIT Campus, Anna University, Tiruchirappalli, India.  
*22 July 2017*
- **Python Programming**, Hands-on Workshop by CAC, UCE, BIT Campus, Anna University, Tiruchirappalli, India.  
*28–29 August 2017*
- **Cloud Computing: A Hands-on Approach**, TEQIP-II Sponsored Seminar at Department of CSE, UCE, BIT Campus, Anna University, Tiruchirappalli, India.  
*15–16 September 2016*
- **Web Application Design and Development**, TEQIP-II National Seminar at Department of CSE, UCE, BIT Campus, Anna University, Tiruchirappalli, India.  
*11–12 August 2016*
- **Trends in Grid, Cloud and High-Performance Computing**, FDP at Department of CSE, UCE, BIT Campus, Anna University, Tiruchirappalli, India.  
*20 June – 3 July 2016*
- **Faculty Development Programme**, TEQIP-II Sponsored Course at Department of CSE, UCE, BIT Campus, Anna University, Tiruchirappalli, India.

*1 March 2016*

- **Hands on Cloud and Big Data Analytics**, FDP at Department of CSE, UCE, BIT Campus, Anna University, Tiruchirappalli, India.

*12–25 May 2015*

- **Software Testing – An Industrial Perspective**, TEQIP-II National Seminar at Department of CSE, UCE, BIT Campus, Anna University, Tiruchirappalli, India.

*21–22 November 2013*

- **Proficient Document Writing Using LaTeX**, Two-day workshop at Anna University, Tirunelveli.

*12–13 November 2013*

- **Bio Signals: Data Mining Perspective**, One-day workshop at Department of CSE, UCE, BIT Campus, Anna University, Tiruchirappalli, India.

*10 April 2013*

- **Strategic Teaching Quality Management**, One-day National Seminar by Department of ECE, UCE, BIT Campus, Anna University, Tiruchirappalli, India.

*16 March 2013*

- **Networking Technologies (N/w-Tech'13)**, One-day Workshop at Department of CSE, UCE, BIT Campus, Anna University, Tiruchirappalli, India.

*16 February 2013*

- **Teaching Skills and Smart Class Room Tools**, One-day workshop by CFD, Anna University, Chennai, India.

*7 January 2013*

- **Data Mining Best Practices with Weka**, Workshop at KLN College of Information Technology, Sivaganga.

*17 August 2012*

- **Knowledge Discovery in Databases and R for Big Data Analysis**, National Seminar at KLN College of Information Technology, Sivaganga.

*14 August 2012*

- **Application of Soft Computing in Data Mining**, Workshop at Kongu Engineering College, Erode.

*6–7 January 2012*

- **Data Mining and National Security**, One-day workshop at Thiagarajar College of Engineering, Madurai.

*2 December 2011*

- **Research Methodology**, One-day seminar by Centre for Research at BIT Campus, Anna University, Tiruchirappalli, India.

*27 August 2011*

- **Task Oriented Teaching**, National FDP at Velammal Engineering College, Chennai.

*1 August 2008*