

# 1 CURRICULUM VITAE

<b>1. Personal Information</b>				
(i)	Name	Jaya Dipti Lal		
(ii)	Qualification	PhD		
(iii)	Designation	Associate Professor		
(iv)	Email-id	JAYADIPTILAL@yahoo.co.in		
(v)	Employee No.	0299		
(vi)	Department	Electronics & Telecommunication Engg.		
(vii)	Experience	16 Years		
<b>2. Educational Qualification</b>				
S. No.	Degree	Specialization	Year	University/Board
1	PhD	Electronics & communication	2023	<b>ORIENTAL UNIVERSITY, INDORE</b>
1.	M.E	Communication Systems	2005	RGPV Bhopal
2.	B.E	Electronics & Telecommunication	2002	RGPV Bhopal
3.	Diploma	Electronics & Telecommunication	1998	M.P Technical Board, Bhopal
<b>3. Research Interests</b>				
computing and programming, Computer network, Wireless Communication, Cooperative Communication, mobile communication, Digital Communication, Energy Harvesting, and IOT, Machine learning.				
<b>4. Research Paper Publications</b>				
<b>(I) International/National Journal Publications</b>				
1. Jaya Dipti Lal, Dr dolly Thankachan “Statistical evaluation of energy harvesting system models in wireless networks: An empirical perspective”International Journal of Innovations Research in Technology, September 2021  IJIRT   Volume 8 Issue 4   ISSN: 2349-6002				
2. Jaya Dipti Lal, Dr dolly Thankachan “Comparison of Various Techniques with PSO based Power Allocation Strategy in Cooperative Wireless Networks” International Journal for Research in Applied Science & Engineering Technology ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 10 Issue II Feb 2022				
3. Jaya Dipti Lal, Dr dolly Thankachan “ABLEH: Improving power efficiency via augmented bioinspired learning for energy harvesting in wireless networks” International Journal for				

4. Jaya Dipti Lal, Dr dolly Thankachan “HBMFTEFR: Design of a Hybrid Bioinspired Model for Fault-Tolerant Energy Harvesting Networks via Fuzzy Rule Checks” International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 10 Issue: 1s DOI: <https://doi.org/10.17762/ijritcc.v10i1s.5821>
5. Jaya Dipti Lal<sup>1</sup>, Dr Dolly Thankachan<sup>2</sup> “QLEHFSC: Design of a Q-Learning based Energy Harvesting Model using Fan Shaped Clustering process “The International journal of analytical and experimental modal analysis Volume XIV, Issue V, May/2022 ISSN NO: 0886-9367.
6. Jaya Dipti Lal<sup>1</sup>, Dr Dolly Thankachan<sup>2</sup> “AMDCFELC: Design of an Adaptive Model for Duty-cycle Control with Fuzzy rules for improving Energy harvesting capabilities of Low Complexity sensor devices” The International journal of Computer science and network security,vol22 no6, June 2022.
7. Rajaram Jatothu , <sup>1</sup> Jaya Dipti Lal,<sup>2</sup> N. P. G. Bhavani,<sup>3</sup> K. A. Sharada,<sup>4</sup> E. Balraj,<sup>5</sup> Karthik Kumar Vaigandla,<sup>6</sup> Arvind Kumar Shukla,<sup>7</sup> Mohammad Ishrat , <sup>8</sup> and Kibebe Sahile <sup>9</sup> “End-to-End Latency Analysis for Data Transmission via Optimum Path Allocation in Industrial Sensor Networks” Hindawi Wireless Communications and Mobile Computing Volume 2022, Article ID 1697746, 9 pages <https://doi.org/10.1155/2022/1697746>
8. Dr.P.Iyyanar<sup>1</sup> , Dr.M.Arunachalam<sup>2</sup> , Dr.Anita M Patil<sup>3</sup> , Dr. Nilesh Uke<sup>4</sup> , Jaya Dipti Lal<sup>5</sup> , Dr. V. R Sonawane<sup>6</sup> , Dr.R.Rajagopal<sup>7</sup> “A Real-Time 3D Video Streaming System Using SRTP AND RTSP Protocol” IJCSNS International Journal of Computer Science and Network Security, VOL.22 No.6, June 2022.
9. Jaya Dipti Lal “Fair cooperative protocols based on energy harvesting relays” International Journal of Advance Research, Ideas and Innovations in Technology”© 2018, ISSN: 2454-132X (Volume 4, Issue 3)
10. Nikita N Bharadwaj, Jaya Dipti Lal , S.V. Charhate “Optimal power allocation using particle swarm optimization in cooperative wireless sensor networks” International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X (Volume 4, Issue 3)2018.
11. Nikita N Bharadwaj, Jaya Dipti Lal , S.V. Charhate “Optimal Power Allocation and Relay Selection for Energy Harvested Cooperative Wireless Sensor Network” International Journal of Engineering Research in Electronics and Communication Engineering(IJERECE), Volume4 ,December 2017.
12. Neha Bhakoriya , Jaya Dipti Lal , S.V. Charhate, “Minimize The Total Power Consumption Of A 5g Heterogeneous Network”, International Journal Of Electrical And Electronics Engineers, Vol. No. 9, Issue No. 01, January-June 2017, Issn No. 2321-2055.
13. Ruchi Patel, Jaya Dipti Lal , S.V. Charhate, “An Approach To Cognitive Network Cooperation Of Tv Station Based Green Cellular Network”, International Journal Of Computer Applivcations(0975-8887).
14. Prateek singh, Jaya Dipti Lal, Anjulata Yadav “Optimization of inter network sharing scheme for cellular network using gentic algorithm”, International journal of Engginering Science and Research Technology ISSN 2277-9655 Impact Factor 4.116 THOMSON REUIRS ENDNOTE August 2016.
15. Prateek singh, Jaya Dipti Lal, Anjulata Yadav , “A Review On: Cooperation Between MNO’s for Green And Efficient Communication”, International Journal Of Engineering Science And Computing vol.6, Issue no. 8, pp. 2828-2832, Aug 2016.
16. Sudheer Shukla, Jaya Dipti Lal, S V Charhate, “Á Review On Relay Selection Techniques In Cooperative Communication”, International Journal Of Digital Application And Contemporary Research (IJDACR), issn: 2319-4863, VOLUME 4, ISSUE 9, April 2016.
17. Sudheer Shukla, Jaya Dipti Lal, S V Charhate, “A Novel Approach Of LLR Based Relay

- Selection Algorithm for Cooperative Communication”, International Journal Of Digital Application And Contemporary Research (IJDACR), ISSN: 2319-4863, VOLUME 4, ISSUE 11, JUNE 2016.
18. Sudheer Shukla, Jaya Dipti Lal, S V Charhate, “LLR Based Relay Selection Algorithm For Cooperative Communication Using ZF And MMSE Equalization”, Journal For International Shodh In Engineering And Technology And (JISEAT), ISSN: 2454-9606, 2016.
  19. Balendra Bagri, Jaya Dipti Lal, S V Charhate, “Performance Analysis Of Cooperative Communication For Dual Hop Relaying Network With Hardware Impairments Over Rayleigh Channel”, International Journal Of Engineering Sciences And Research Technology, 5 September 2016.
  20. Jaya Dipti Lal, “A Review on Architecture of Wireless Communication Sensor Networks”, International Journal of Modern Trends in Engineering and Research September 2015, ISSN 2349-9745.
  21. Veranda Sen., Jaya Dipti Lal, S.V Charhate “A Review: Power Consumption at Base Station in Wireless Networks” International journal of Engineering and Management Research volume-5, Issue-1, February – 2015 page no 260-266 255 N (online) 2250-0758 ISSN: 2394-6962.
  22. Veranda Sen., Jaya Dipti Lal, S.V Charhate, “A REVIEW: Main Aspects of Power Consumption in Wireless Networks”, International Journal of Electrical and Electronics Engineers, VOL-07, Issue 01, Jan-Jun 2015 ISSN 2321-2055, 435-444.
  23. Amar Kurmi, Jaya Dipti Lal, S.V. Charhate “A Review: Cluster Head Selection using fuzzy logic in Wireless Sensor Networks”, International Journal of Innovations in Engineering and Technology (IJIET) 2015, VOL-5, 283-290.
  24. Ved Prakash Ganawath, Jaya Dipti Lal, S.V. Charhate “A Review on Energy Efficient Relay Selection Scheme for Cooperative Uniformly Distributed Wireless Sensor Networks”, International Journal of Innovations in Engineering and Technology (IJIET), 2015, VOL-5, 295-304.
  25. Amar Kurmi, Jaya Dipti Lal, S.V. Charhate “Improved Cluster Head Selection Using Fuzzy Logic in Wireless Sensor Networks”, International Journal of Advanced Technology in Engineering and Science 2015, VOL-03, 1193-1201.
  26. Ved Prakash Ganawath, Jaya Dipti Lal, “A Review on Energy Efficient Relay Selection Scheme for Cooperative Uniformly Distributed Wireless Sensor Networks”, IJIET 2015, VOL-05, 295-304.
  27. Sanjay Kumar, Jaya Dipti Lal, “Green Cooperative Communication Network using Solar Energy Sources”, American Journal of Engg Research 2014, VOL-03, 48-56.
  28. Sanjay Kumar, Jaya Dipti Lal, “Green Cooperative Communication Network using Renewable Energy Sources”, IOSR journals 2014, VOL-09, 14-21.
  29. Sanjay Kumar, Jaya Dipti Lal, “Review Paper on Green Cooperative Communication Network”, International Journal of Networking and Parallel Computing 2014, VOL-03, 118-126.
  30. Neetu chohan, Jaya Dipti Lal and S.V Charhate, Cooperative Spectrum sensing signal detection using SVD signal detector for cognitive radio “ITSI-Transaction on Electrical and Electronics Engineering volume-1,issue-3 2013.
  31. Neha Bansod, Jaya Dipti Lal, S.V Charhate, “Bit error rate of selection Amplify and forwarding cooperative communication protocol” ITSI-Transaction on Electrical and Electronics Engineering volume-1, issue-3 2013.

## **(II) International/National Conference Publications**

### **International Conference:**

1. Jaya Dipti Lal, T. Balachander, T. S. Karthik, Sandy Ariawan, Pratap M S, Mohit Tiwari.”

- “Hybrid Evolutionary Algorithm with Energy Efficient Cluster Head to Improve Performance Metrics on the IoT” 2023 7th International Conference on Computing Methodologies and Communication (ICCMC)
2. Jaya Dipti Lal, Dr Dolly Thankachan2 “Design of a Low-Complexity Energy Harvesting Model In Wireless Communication” 14th International conference (ATMS-2022 IN Hybrid platform ) at Shri Govindram Seksaria Institute of Technology and Science, Indore, During 21-23 July 2022.
  3. Jaya Dipti Lal, Dr Dolly Thankachan2 “Optimization of harvesting source selection based on weighted TLbO for multisource energy harvesting networks” International conference on advances in signal processing, VLSI, Communication and embedded systems(ICSVCE-2022) Organized by department of electronics and communication engineering, Vardhaman College of Engineering, Hyderabad during 29th- 30th JULY , 2022.
  4. Amar Kurmi, Jaya Dipti Lal, S.V Charhate, “Improved Cluster head selection using fuzzy logic in wireless sensor networks” , International conference on Recent Trends in Engineering Science and Management ISBN : 978-81-931039-2-0. Veranda Sen., Jaya Dipti Lal, S.V Charhate, “ A Review: Main Aspects of Power Consumption on Wireless Networks”, International Conference on Recent Trends in Engineering Science and Management ISBN : 978-81-931039-2-0.
  5. Ved Prakash Ganawath, Jaya Dipti Lal, S.V Charhate, “A Review on Energy Optimization Relay Selection Scheme for Wireless Sensor Networks” , International Conference on Recent Trends in Engineering Science and Management ISBN : 978-81-931039-2-0.
  6. Veranda Sen., Jaya Dipti Lal, S.V Charhate, “Energy Efficient Base Station with Virtual Cell Concept”, IEEE International Conference on Energy Systems and Applications -2015 (ICESA -2015).
  7. Ved Prakash Ganawath, Jaya Dipti Lal, “Optimum Energy Relay Selection Schemes for Wireless Sensor Network”, , IEEE International Conference on Energy Systems and Applications -2015 (ICESA -2015).
  8. Neetu chohan, Jaya Dipti Lal and S.V Charhate, Cooperative Spectrum sensing signal detection using SVD signal detector for cognitive radio” second International Conference on (ICEECP) ISBN:978-81583-89-08.
  9. Neha Bansod, Jaya Dipti Lal, S.V Charhate, “Bit error rate of selection Amplify and forwarding cooperative communication protocol” Second International Conference on (ICEECP) ISBN:978-81583-89-08.
  10. Deepak Gyanchandani, Anjulata Yadav, Jaya Dipti Lal “Comparison of WiMAX Uplink Schedulers for fixed and Mobile Environment” 1<sup>st</sup> International Conference on Recent Trends and Innovations in Engineering & Technology-2013” on 16<sup>th</sup> to 17<sup>th</sup> Aug 2013.
  11. Vibha Sondhiya, Jaya Dipti Lal, S.V Charhate, “Performance Evaluation of IEEE 802.22 Physical Layer with QPSK Modulation”. International conference on issues and challenges in network intelligence and computing technologies,2011.
  12. Vibha Sondhiya, Jaya Dipti Lal, S.V Charhate “Performance Evaluation of IEEE 802.22 Physical layer with different modulation” International conference on issues and challenges in Network intelligence and computing technologies,2011.
  13. L.D Malviya, Rohit Yadav, Jaya Dipti Lal, “New Image Processing Techniques to Disclosed Hidden Boundaries”, International conference on Intelligent Information System and Management 2010, Coimbatore, Tamil Nadu, pp1-5, June 10-12, 2010.
  14. Poornima Raikwar, Preeti Trivedi, Jaya Dipti Lal, “Effect of timing jitter on Sigma Delta ADC for SDR Mobile Receiver” 2009 Second International Conference On Emerging Trends in Engineering, Vol.87,pp 1097-1103,2009.
  15. Poornima Raikwar, Preeti Trivedi, Jaya Dipti Lal, “Analysis of Timing Error Aperture Jitter on the Performance of Sigma Delta ADC for Software Radio Mobile Receivers” International Conference on Advances in Recent Technologies in Communication and Computing, Vol.22 pp 503-505, 2009.

16. Dhanu Pratap Singh, Preeti Trivedi, Jaya Dipti Lal, “Performance Evaluation of DSR and ADOV Networking Protocol with varying pause time” SPIT – IEEE Colloquium and International Conference, Mumbai (India), Vol.3, 190-194, 2008.

**National Conference:**

1. Vibha Sondhiya, jaya dipti Lal ,S.V. Charhate, “wireless regional area network on cognitive radio-A review, ECOMM-11, Indore
2. Vibha Sondhiya, jaya dipti Lal ,S.V. Charhate, “IEEE 802.22:Wireless Regional Area Network on Physical Layer- A Review” SPESA 2011, Hyderabad, (A. P.), 2011.ore, MP
3. Indra Kumar Shah, Anjulata Yadav, Jaya Dipti Lal ,”Packet Reordering in TCP and Eifel algorithm” National Conference on ,Advancements & Future Trends in VLSI Design &Embedded System, Jabalpur (MP), 23-24 Feb 2010.
4. Indra Kumar Shah, Anjulata Yadav, Jaya Dipti Lal ,” Study of Packet Reordering in TCP and TCP-DOOR Algorithm”, National Conference on Recent Trends in Instrumentation Communication & Microelectronics, SVITS , Indore(MP), 9-10 Apr 2010.
5. Poornima Raikwar, preeti trivedi,jaya Dipti Lal “the Effect of Clock Jitter on the Performance of Sigma Delta Mobile Receivers(3G),(CE) 2T2009.

**2 List of Conferences/Workshops/Seminars Organized**

1. Coordinator for Online webinar on “Cyber Security & Crimes in times of Corona”, Speaker: Mr. Ankit Shuklaz, SP, State Cyber Cell, 15 June 2020.

S.No.	Details of Course	Duration to	from	Organized by
01	Bharatiya gyan parampara	14/07/2022	16/07/2022	Department of humanities and social sciences sgsits indore and school of data science and forecasting davv indore
02	Recent trends in Internet of things	20/09/2021	24/09/2021	Sgsits indore
03	Machine learning: Techniques, Application and Challenges	03/08/2021	07/08/2021	TEQIP-III ,Oriental institute of science & Technology ,Bhopal
04	IPR Awareness and commercial competences (IAACC)	10/05/2021	15/05/2021	ORIENTAL UNIVERSITY INDORE
05	Artificial intelligence and 5 G Communication Technology	26/04/2021	01/05/2021	Electronic & communication Department Poornima college of engineering jaipur
06	Modern cryptography, block chain & IOT Security:Challenges ,Solution and Future	23/03/2021	27/03/2021	RGPV, under TEQIP-III in association with Department of Computer Science Engineering, UIT-

	Prospects(MOB-IOTs)2021			RGPV & IEEE Student Branch RGPV,Bhopal.
07	Artificial intelligence and 5 G Communication Technology	07/12/2020	12/12/2020	Electronic & communication Department Poornima college of engineering jaipur
08	INTRODUCTION TO RESEARCH		AUG-SEP 2018 8 WEEK COURSE	NPTEL ONLINE BY IIT MADRAS
09	RECENT TRENDS IN VLSI DESIGN		09-13APRIL 2018	" under TEQIP-III organized by Department of ELECTRONICS & INSTRUMENTATION ENGG SGSITS Campus,
10	FACULTY DEVELOPMENT PROGRAMME		04-08 JUNE 2018	IIT, MADRAS
11	Artificial Intelligence for all		17 MAY 2018	By Department of Information technology and department of electronics and telecommunication engg at sgsits , indore
12	Recent Research and Innovations in IT	TEQIP- PHASE III	07 DEC2017	TEQIP- PHASE III

### 3 International Patents

1 vehicular ad hoc network (VANET) based traffic monitoring system to avoid the road accidents by implementing centralized control system. GERMAN Patent Grant munchen. 26/07/2022

### 4 National Patents

1 Passivated Emitter based solar cells for increasing the efficacy of solar energy absorption. The patent office Journal no- 17/22 Date 29/04/2022.

2 vehicular ADHOC Network to avoid road accidents. The patent office Journal no- 17/22 Date 29/04/2022.

3 Artificial intelligence based approach to analyse the impact, the vehicle mission have on surrounding environment and its air quality using Gaussian plume model. The patent office Journal no- 26/22 Date 01/07/2022.

4 SAFETY JACKET INTEGRATED WITH SAFETY BELT BASED ON ARTIFICIAL INTELLIGENCE 372911-001

5 FAULT TOLERANT MODEL SYSTEM FOR ENERGY HARVESTING IN WIRELESS NETWORKS AND METHOD THEREOF

Application no : 202221072747 on process.

**5 Book Publication:**

S.No.	Title of Book	Publisher	Main Author or co-author	Remarks, if any
01	Intellectual Property Rights	R K Publisher	Jaya Dipti Lal, Dr. Zahid Parwez, Dr. Minakshi Dattatraya Bhosale, Mrs Smita Parte	ISBN: 9789395331746
02	Principles of Communication	R K Publisher	Jaya Dipti Lal, Intekhab Hussain, Prof. (Dr.) Jyoti Prasad Patra, Dr. A. Sasi Kumar	ISBN: 9789395331838
03	Wireless communication	R K Publisher	Dr. A Sasi kumar ,prof jaya dipti lal ,dr. Vivek singh kushwah ,dr jyoti Prasad patra	ISBN:9789395331715
04	Fundamentals of computing and programming	R K Publisher	Dr. Sushila Palwe Jaya Dipti Lal, Dr. Prasant singh yadav, Dr. K. Maheswaran	ISBN: 9789395331272

**6 Details of Conference/Seminar/Winter Summer Schools/Training Organized :**

S.No.	Title of Course	Organizing Institute	Duration Period of Course	Capacity in which involved
01	AICTE SPONSORED RECENT ADVANCES IN MICROWAVE AND COMMUNICATION [ RAMC- 2019]	DEPTT. OF ELECTRONICS AND TELECOMM. SGSITS , INDORE	DEC 03 -13 2019	ORGANISING COMMITTEE MEMBER
02	AICTE ISTE INDUCTION PROGRAMME “RADIO DAY “ “DESIGN AND DEVELOPMENT FABRICATION MEASUREMENT	DEPTT. OF ELECTRONICS AND TELECOMM. SGSITS , INDORE	NOV. 30 –DEC. 01 AND DEC03 – DEC06 2018	ORGANISING COMMITTEE MEMBER



	TECHNIQUES FOR NEXT GENERATION ANTENNAS”			
03	SPONSORED TWO DAYS WORKSHOP ON ACADEMIC INSTITUTE SATELLITE AND LAUNCH	TEQIP II	17 -18 FEB 2017	ORGANISING COMMITTEE MEMBER
04	TEQIP Phase –III Sponsored Two days Seminar On mathematical Techniques in Wireless Networks SGSITS Indore MP	TEQIP-III	OCT 27-28 2017	ORGANISING COMMITTEE MEMBER
01	AICTE SPONSORED RECENT ADVANCES IN MICROWAVE AND COMMUNICATION [ RAMC- 2019]	DEPTT. OF ELECTRONICS AND TELECOMM. SGSITS , INDORE	DEC 03 -13 2019	ORGANISING COMMITTEE MEMBER

### 8 Other relevant Information

1. IJRULA Young Scientist Award of 2018.
2. Membership of Professional society: Engineers India (LM), ISTE (LM), IETE (LM )
3. Appointed as reviewer in wireless Personal communications 2021
4. Appointed as reviewer in wireless Personal communications 2023
4. 15 days industrial training from 09/01/2023 to 23/01/2023 at sciencetech technologies pvt. Ltd.
5. Coordinator of industrial visit to PG student on 03/02/2023.

### 9 Details of Responsibilities held in Institutional administration and Development works

:

- 1 Develop the lab journals of basic electronic , microprocessor and microcontroller lab , measurement lab journal.
- 2 Taught various new subjects in various semesters during last 17 years.
- 3 Worked as OSD (Revaluation) April 2017
- 4 As Department practical time table incharge in the sem
- 5 Member of Departmental purchase committee (DPC).



- 6 Copy of certificate of course attended during 7th dec2017 Recent research and innovation in IT
- 7 Copy of certificate of course attended during AUG –SEP 2018 (8 Week course) INTRODUCTION TO RESEARCH BY IIT MADRAS
- 8 Copy of certificate of course attended during 09 April -13 April2018 RECENT TRENDS IN VLSI DESIGN UNDER TEQIP –III
- 9 Copy of certificate of course attended during 04 JUNE – 08 JUNE 2018 FACULTY DEVELOPMENT PROGRAMME BY IIT MADRAS
- 10 Copy of certificate of course attended during 17 MAY 2018 ARTIFICIAL INTELLIGENCE FOR ALL BY SGSITS INDORE
- 11 Copy of Organising committee member of two days workshop on academic institute satellite and launch during 17th -18th Feb 2017
- 12 Copy of Organising committee member of TEQIP Phase –III Sponsored Two days Seminar On mathematical Techniques in Wireless Networks SGSITS Indore MP during OCT 27-28 2017
- 13 Copy of Organising committee member of AICTE –ISTE INDUCTION /REFESHER PROGRAMME AS A RADIO DAY ON DESIGN AND DEVELOPMENT FABRICATION MEASUREMENT TECHNIQUE FOR NEXT GENERATION ANTENNAS DURING 30TH NOV -6 DEC 2018
- 14 Copy of Organising committee member of AICTE Sponsored FDP on RECENT ADVANC IN MICROWAVE AND COMMUNICATION
- 15 IETE MEMBER
- 16 IE MEMBER
- 17 IJRULA TILAL AWARD MEMBER 2018
- 18 Departmental Duties During 2017- 2019
- 19 Copy of appointment of internal examiner (UG and PG )
- 20 Copy of appointment of External examiner (UG and PG )
- 21 OSD of Revaluation
- 22 Member of BOS 2019
- 23 Member of BOS 2018
- 24 Member of BOS 2017
- 25 Vidhan sabha election duty 2018
- 26 Lok sabha election duty 2019
- 27 Time table July 2016 –Dec 2019
- 28 Appointed as paper setter for MITS

29 List of mentor shop 2018

30 Order of stock verification 2016 ,2017 , 2018 ,2019

31 Paper setter letters for session 2016-17 ,2017 -18 ,2018 -19

32 IEEE PAPER

33 COPY of NPTEL 8 WEEK course on INTRODUCTION TO RESEARCH

34 Coordinator of MED SEM EXAM 2016 ,2017,2018

35 OVSERVER DUTY 2017

36 IJRULA YOUNG SCIENTIST AWARD 2018

37 Training and Placement in charge 2018

38 Practical Time table in charge 2018

39 "Machine learning "for faculty member and PG Students of the department under the IFDP- III Series attended.

40 Member of NBA 2018

41 One Day Seminar on Recent Trends in research in E & TC ON 30th OCT 2018

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**Jaya Dipti Lal**  
**Associate Professor**