

## FACULTY PROFILE

### 1. Personal Details.

### Photo

*Name* : B S SUDHA  
*Designation* : Associate professor  
*Date of Birth:* : 31-7-1969  
*Father's Name* : B L Shrinivasa Murthy  
*Mother's Name* : K M Sharada  
*Job Type:* : Teaching ( permanent)  
*Pay scale and Basic* :  
  
*Employee ID* : ECA08



### 2. Contact Information.

*Postal Address* : B S Sudha, No. 32, 3rd floor(T3), Belagavi Mansion ,9<sup>th</sup> cross, 1<sup>st</sup> Main, Prashanthnagar , Bengaluru - 560079  
  
*E-mail ID* : [sudsur69@gmail.com](mailto:sudsur69@gmail.com)  
*Telephone No.* : 080-23211504(Office)  
*Mobile No.* : +919242363088

### 3. Educational Qualification.

| <i>Degree</i>      | <i>Specialization</i>                                                                | <i>Board/<br/>University</i> | <i>Year of<br/>Passing</i> | <i>Class<br/>Obtained</i> |
|--------------------|--------------------------------------------------------------------------------------|------------------------------|----------------------------|---------------------------|
| <i>PhD</i>         | Perusing (The broad band Micro strip antennas for Mobile communication Applications) | VTU, Belagavi                | Persuing                   | -                         |
| <i>M.Tech/M.E</i>  | Industrial Electronics                                                               | VTU                          | 2000                       | FCD                       |
| <i>B.E</i>         | Electronics and communication engineering                                            | Mysore University            | 1991                       | FC                        |
| <i>PUC/Diploma</i> | Science                                                                              | PU board, Karnataka          | 1987                       | FC                        |
| <i>SSLC</i>        |                                                                                      | K.S.E.E.B. , Karnataka       | 1985                       | FC                        |

#### 4. Experience.

|                                |   | <i><b>Institution/Company</b></i> | <i><b>Designation</b></i> | <i><b>Duration</b></i> |
|--------------------------------|---|-----------------------------------|---------------------------|------------------------|
| <i>Teaching</i>                | : | Dr. A.I. T. , Bengaluru           | Associate professor       | 34yrs.                 |
| <i>Industrial</i>              | : | Nil                               | -                         | -                      |
| <i><b>Total Experience</b></i> |   |                                   |                           | 34yrs.                 |

#### 5. Areas of Specialization.

- Area 1      Communication (Digital & Analog)
- Area 2      Antennas
- Area 3      Information Theory and Coding

#### 6. Courses Taught.

- UG Courses: Digital Communication, Microwave and Antenna, Information Theory and Coding, Wireless Communication, Digital Electronics, Basic Electronics, Analog Communication
- PG Courses:    nil
- Laboratory Courses: Advanced Communication lab, Microwave lab, AEC lab, DEC lab, MATH lab.

#### 5. Research Papers Published.

| <i><b>Sl. No.</b></i> | <i><b>International Journals</b></i> |                                                                                                                                                                                                                                                                                                                |
|-----------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b>              | 2025-26                              | 1SUDHA B S, 2 NITHYA M GOWDA, 2 PUNEETH N K, 2 SHAILAJA K M, 2 SKANDA KUMAR MG," Ai Vision Aid: Yolo Obstacle Detection Classification And Face Recognition", International Journal of Engineering Development and Research, ISSN: 2321-9939   ©IJEDR 2025 December 2025, Volume 13, Issue 4,pg no. – 520-526. |
| <b>2</b>              |                                      | Megharaj KN, Sudha B S, Kushal Gowda T, Anand S M, Shivamani," SMART GREENHOUSE AUTOMATION USING MACHINE LEARNING", International Journal of Engineering Development and Research, ISSN: 2321-9939   ©IJEDR 2025 December 2025, Volume 13, Issue 4,pg no. – 647-666.                                           |

|    |                             |                                                                                                                                                                                                                                                                                                                                                                                  |
|----|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3  | 2024-25                     | Dr. Tanuja Patgar 1 Sudha b.S 2 , Prachi Harish 3 , Haardik Suresh 4,” Adaptive Edge Water Quality Analytics System”,july 2025  IJIRT   Volume 12 Issue 2   ISSN: 2349-6002, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY,pg no.-323-330.                                                                                                                          |
| 4  | 2023-24                     | CHINMAY M #1 , MADHUSHREE #2 , ANUSHA CHOWDARY #3, Under the Guidance of Prof. SUDHA B S Assoc. Prof Dept of ECE, DESIGN OF 6G ANTENNA, International journal of novel research and development, 2024 IJNRD   Volume 9, Issue 6 June 2024  ISSN: 2456-4184 ,pg no.- b122-b127.                                                                                                   |
| 5  |                             | Sudha B S1 , Sneha S K2 , T Shweta3, “PERFORMANCE ANALYSIS OF GRAPHENE NANORIBBON FIELD EFFECT TRANSISTOR”, INTERNATIONAL JOURNAL OF PROGRESSIVE RESEARCH IN ENGINEERING MANAGEMENT AND SCIENCE (IJPREAMS), e-ISSN : 2583-1062 Impact Factor: 5.725, Vol. 04, Issue 06, June 2024, pp: 1594-1600, pg no. – 1594-1600.                                                            |
| 6  | 2022-23                     | Sudha B.S*1, Sneha G.K*2, Shashidhar S*3, Aradhana S*4, DESIGN AND PHYSICAL SYNTHESIS OF A 16 BIT RISC PROCESSOR, International Research Journal of Modernization in Engineering Technology and Science ( Peer-Reviewed, Open Access, Fully Refereed International Journal ) Volume:05/Issue:06/June-2023 Impact Factor- 7.868 , pg.no. [4284-4290]                              |
| 7  |                             | Sudha B S1, Ediga Bharadwaj2, Karuturi Mohan Krishna3, Madugundu Yaswanth4, Mayakumar S5, “Intrusion Detection System With Regulated Patrolling Robots For Apartments”, IJSART - Volume 9 Issue 6 – JUNE 2023 ISSN [ONLINE]: 2395-1052, e-ISSN: 2582-5208, pg.no. –(370 -380)                                                                                                    |
| 8  | 2021-22<br>(UGC Approved)   | <b>B S Sudha , Mounika Reddy R, “Verification of digital PLL using UVM Methodology”</b><br>Journal of Emerging Technologies and Innovative Research(JETIR)<br><br>(ISSN : 2349-5162) , <b>UGC Approved</b> (Journal No: 63975) & <b>7.95</b> Impact Factor<br>Published in Volume 8 Issue 11 , November-2021   Date of Publication: 2021-11-10<br>Page no. - <b>a184 to a190</b> |
| 9  | 2021-22                     | <b>B S Sudha , Mounika Reddy R</b><br>design engineering-issn:0011-9342, year 2022, issue: 13, pages:13079-13092<br>title: a novel verification structure for dpll using universal verification methodology                                                                                                                                                                      |
| 10 | 2020-21                     | Mrs. B S Sudha1, MahimaShaini2, Likitha M3, Omkar Chavan4, Prashant Kumar,<br><b>Rescue Robot for Human Detection</b> , International Journal of Research Publication and Reviews Vol(2) Issue (7) (2021) Page 1046-1049,Impact factor-5.72                                                                                                                                      |
| 11 | 2020-21                     | 1B.S SUDHA,2RAHUL MADHUKARA SHANBOG,3SHAIK HUSSAIN,4SHREYAS H.K,5SHREYAS S,<br><b>AUTOMATIC SEGREGATION OF WASTE USING ROBOTIC ARM, 2021</b><br>IJCRT(International Journal of Creative Thoughts), Volume 9, Issue 7 July 2021, ISSN: 2320-2882, pg no.- f32-f35, Impact factor – 7.97                                                                                           |
| 12 | 2020-21<br>(scopus indexed) | Shashikala BN ,BS Sudha ,Sayantam Sarkar , Efficient Implementation of Radix-2 FFT Architecture using CORDIC for Signal Processing Applications,IEEE RTEICT-2020<br>ACCEptance paper id:208, published 12/11/2020,pages-137-142,publisher-IEEE(Scopus indexed)                                                                                                                   |
| 13 | 2019-20                     | Prajwal M C1, Prashantha G2, Raghavendra T3, Rajesab N Y4, Prof. B S Sudha5,<br><b>Development of Colour based Tomato Harvesting Robot</b> , International Journal for Research in Applied Science & Engineering Technology (IJRASET)<br>ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429,Volume 8 Issue VIII Aug 2020,Pg.no. 974-975                                   |
| 14 | 2018-19                     | Roopa K1, Gowthami N2, Vinutha B S3, Vinutha T4, Sudha B S5 <b>Dam Gate Level Control with Water Quality Monitoring using IOT</b> , International Journal for Research in Applied Science & Engineering Technology (IJRASET),ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.177, Volume 7 Issue V, May 2019 . pg.no. 1494-1497                                            |

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|----|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15 | 2018-19                          | Neethu shivashankar ,B S Sudha “An efficient SI Implimentation of BIST based on secure scan cell logic” International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181,Vol. 8 Issue 07, July-2019                                                                                                                          |
| 16 | 2018-19                          | B S Sudha, Yogitha H R , Sushma K M, Pooja Bhat, “ Forest Monitoring System Using Wireless Sensor Network “,International Journal of Advances in Scientific Research and Engineering (ijasre), ISSN: 2454-8006 ,Journal Impact factor:3.598, pg no.1-5.                                                                                        |
| 17 | 2017-18                          | H.S.Nagarathna B S Sudha, “Image resizing using Seam carving”, International journal of Engineering Science and Computing (IJESC), sept.2017 PG.NO.- 14757-14761 Volume 7 Issue no.9, ISN 2250-1371.                                                                                                                                           |
| 18 | 2016-17                          | B S Sudha,H.S.Nagarathna”A review on energy efficient CAG – DRINA: Data routing in network aggregation routing technique” International journal of Advanced Scientific Research Publications,Sept,2016, ISSN:2454-9878,Volume 2,Issue 5,Manuscript no.-16802                                                                                   |
| 19 | 2014-15                          | Darshan M S, B S SUDHA “ Video watermarking technics based on combined DCT and DWT using PN sequence algorithm”International journal of advanced research in electronics and communication engg(IJARECE), May 2015, ISSN:2278-909X,Volume 4,Issue 5, page no. 1141-1145                                                                        |
| 20 |                                  | Darshan M S, B S SUDHA“ Video watermarking technics based on combined DCT and DWT using PN sequence algorithm” International journal of advanced research in computer and communication engg(IJARCCE), June 2015, ISSN(online):2278-1021, ISSN(print): 2319-5940,DOI 10.17148/IJARCCE.2015.4629,Page no. 131-134.                              |
| 21 | 2013-14                          | Ravi M Bagale, B S Sudha“Design of high speed low area 32 bit MAC unit using Vedic multiplier” International journal of ethics in engg. & management education (IJEEE), ISSN-2348-4748,ISSUE-6 <sup>TH</sup> JUNE-2014,VOL1                                                                                                                    |
| 22 | 2012- 13                         | Nisha R,B S Sudha“Design of low power L1 Cache memory architecture using SRAM-MRAM hybrid model”. International journal of embedded and software computing(IJESC), June 10 <sup>th</sup> ,2013, Paper IJESC817,ISSN 2250-1371, Issue no.8,vol.no.-2                                                                                            |
| 23 | 2011- 12                         | H Umadevi,B S Sudha,C S Kavithadevi,Meenakshi L Rathod,Akalpitha L K,G S Gurumurthy“ Designing of software simulator test bed for 3G wireless communication system”. International journal of engg. & management research, oct 2012, vol2, issue- 5 <sup>th</sup> , Issue no. 2250-0758, pg- 29-35.                                            |
|    | <b>International Conferences</b> |                                                                                                                                                                                                                                                                                                                                                |
| 1  | 2012 -13                         | Nisha R,B S Sudha“Design of low power L1 Cache memory architecture using SRAM-MRAM hybrid model” International conference on “Information and communication engineering”(ICICE). International conference on “Information and communication engineering”(ICICE). 28 <sup>th</sup> – 29 <sup>th</sup> June 2013 ,Dr. AIT,B ‘lore, Page 149-151. |
|    | <b>National Conference</b>       |                                                                                                                                                                                                                                                                                                                                                |
| 1  | 2014 -15                         | Nandakishore G R,Nagesh,Naveen R,Muniraju C,B S Sudha“Vehicle emission detection and notification system in cities based on Internet Of Things” National conference on”Wireless Control & Communication Technologies ”(NCWCT-2015), 27 <sup>TH</sup> – 28 <sup>TH</sup> April, 2015 Dr.AIT, B’lore, Pg.no.59-61.                               |
| 2  |                                  | Ravi M Bagale,B S Sudha“ Low delay 32-MAC unit using vedic multiplier” National conference on engg. Tech.-2014( NCET-2014) 28 <sup>TH</sup> JUNE-2014 ,Dr.AIT, B’lore.                                                                                                                                                                         |
| 3  | 2013 -14                         | Nisha R,B S Sudha“Design and implementation of low power L1 Cache using SRAM-MRAM hybrid model”. National conference on communication and image processing-NCCIP-2013 7 <sup>th</sup> AUG-2013, T.JOHN INSTITUTE OF TECH.,B’lore                                                                                                               |
| 4  |                                  | Mamatha.B M, B S Sudha“RF network based bus arrival prediction technology (BAPT) with failure detection and diversion warning”. National conference on communication & soft computing (NCCSC-2012 ), 9 <sup>th</sup> August, 2012. KSIT, B’lore, Pg.no.247-251                                                                                 |

|    |         |                                                                                                                                                                                                                                                                                          |
|----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5  | 2011-12 | B S Sudha "Design of low power phase locked loop (PLL) using 45nm VLSI Technology." <b>National conference</b> on " Wireless control & communication technology"(NCWCT-2011) 27 <sup>th</sup> to 28 <sup>th</sup> april,2011. Dr. AIT,B 'lore                                            |
| 6  |         | Akalpitha L K,B S Sudha"Design of video standards detector & flywheel vedio decoder ". <b>National conference</b> on " Wireless control & communication technology"(NCWCT-2011) 27 <sup>th</sup> to 28 <sup>th</sup> april,2011. Dr. AIT,B 'lore                                         |
| 7  | 2009-10 | Sharanabasappa,B S Sudha" Design & implementation of digital display panel controller on a Spartan 3AN FPGA using LVD's or DVI." <b>National symposium</b> on " Cutting edge technologies" ,26 <sup>th</sup> to 27 <sup>th</sup> ,feb, 2010, Gnanavikas institute of technology, B'lore. |
| 8  |         | Pradeep kumar.M S,B S Sudha,G V Srinivas" Bluetooth interface & applications on PXA 270 platform". <b>National symposium</b> on " Cutting edge technologies" 26 <sup>th</sup> to 27 <sup>th</sup> ,feb, 2010, Gnanavikas institute of technology, B'lore.                                |
| 9  | 2008-09 | S Raveesh,B S Sudha" Development of truster driver & serial digital channel interface (ASIC) for spacecraft." <b>National conference</b> on intelligent computing I-CUBE-09, 29 <sup>TH</sup> to 30 <sup>th</sup> july,2009, Tamilnadu.                                                  |
| 10 | 2006-07 | Tanuja,B S SUDHA,Akalpitha L k "Application of Virtual instrumentation Lab View for digital filter design" <b>National symposium</b> on instrumentation (NSI-32), 24-10-2007 TO 26-10-2007,K.S.R.C.T.Tamilnadu. Pg.no.1-3                                                                |
| 11 |         | Tanuja,B S SUDHA,Akalpitha L k "Introduction to 'Virtual instrumentation" <b>National conference</b> on 'Signal processing and automation'7 <sup>th</sup> & 8 <sup>th</sup> Sep 2007,PDYPIET,PUNE.                                                                                       |

#### 6. Membership of professional bodies/societies and its details.

| <i>Sl. No</i> | <i>Society/ Professional Body</i>                | <i>Type of Membership<br/>Ex: LM/Y/HY...</i> |
|---------------|--------------------------------------------------|----------------------------------------------|
|               | CRSI – Cryptology research society of India      | LM/421                                       |
|               | ISSS - Institute of Smart Systems and Structures | LM-325                                       |
|               | ISTE – Indian Society for technical Education    | LM                                           |
|               | AICTE                                            | 1-33409405                                   |

#### 7. Technical activities organized/co-ordinated details.

| <i>Sl. No.</i> | <i>Title</i> | <i>Type of Activity<br/>Ex: Workshop/<br/>seminar/<br/>STTP/FDP...</i> | <i>Sponsored by</i> | <i>Duration</i> | <i>dates</i> | <i>venue</i> | <i>Audience<br/>Ex:<br/>Students/<br/>Faculty</i> |
|----------------|--------------|------------------------------------------------------------------------|---------------------|-----------------|--------------|--------------|---------------------------------------------------|
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|   |                                                             |                                                          |           |         |                                                    |                   |     |
|---|-------------------------------------------------------------|----------------------------------------------------------|-----------|---------|----------------------------------------------------|-------------------|-----|
| 1 | “Image processing using PYTHON”                             | FDP(co-ordinated)                                        | TEQIP_II  | 2 days  | 13 -14 <sup>th</sup> Aug. 2013                     | Dr. A.I.T.        | 70  |
| 2 | “Recent Advances in power Electronics and its Applications” | FDP(organized)                                           | AICTE     | 15 days | Feb 17 <sup>th</sup> to March 1 <sup>st</sup> 2014 | Dr. A.I.T.        | 50  |
| 3 | Latest trends in Robotics and Automation                    | Workshop(co-ordinated)                                   | TEQIP-III | 2 Days  | Feb 8 <sup>th</sup> & 9 <sup>th</sup> 2018         | Dr.AIT            | 100 |
| 4 | Research directions in wireless communications              | Virtual FDP                                              | TEQIP-III | 5 Days  | 17-8-2020 to 21-08-2020                            | Dr.AIT            | 76  |
| 5 | INDUSTRY VISIT                                              | Prof. Shwetha M<br>Prof. Sudha B S<br>Prof. Vidyashree N | Dr.AIT    | 1 day   | 4-9-2026                                           | GTTC, RAJAJINAGAR | 50  |

#### 8. Technical activities attended.

| <i>Sl. No .</i> | <i>Title</i>                                       | <i>Type of Activity<br/>Ex: Workshop/<br/>Seminar/STTP/FDP..</i> | <i>Sponsored by<br/>Ex:<br/>TEQIP/IST E...</i>                    | <i>Duration</i> | <i>dates</i>                   | <i>venue</i>  |
|-----------------|----------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|-----------------|--------------------------------|---------------|
| 1               | Advanced electric vehicle diagnostic & simulation  | <i>FDP</i>                                                       | <i>AICTE</i>                                                      | <i>2 days</i>   | <i>23-1-2026 to 24-1-2026</i>  | <i>Dr.AIT</i> |
| 2               | Introduction to Robotics (ROB-1)                   | <i>FDP</i>                                                       | AICTE/UGC.                                                        | <i>12 days</i>  | February 09-20, 2026           | <i>Online</i> |
| 3               | Application development with AI & essential skills | Workshop                                                         | AICTE                                                             | <i>5 days</i>   | <b>23-6-2025- to 27-6-2025</b> | <i>Online</i> |
| 4               | “Introduction to Web Programming”                  | Week AICTE–VTU Joint Teachers Training Programme on              | Visvesvaraya Technological University Muddenahalli Chikkaballapur | <i>5 days</i>   | 27th to 31st March 2023        | <i>Online</i> |
| 5               | “Analog VLSI Design using EDA Tools”               | <i>FDP</i>                                                       | Visvesvaraya Technological University                             | <i>6 days</i>   | 20th – 25th March 2023         | <i>Online</i> |

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|    |                                                                                          |                                                                  | 6Muddenahalli Chikkaballapur                                                          |                 |                                     |                                                                                 |
| 6  | "An Overview of Teaching Techniques in Data Science and Analytics"                       | AICTE – VTU Joint Teachers Training Programme                    | VTU Human Resource Development Centre (VTU - HRDC)                                    | One Week        | 25th & 29th April 2022              | VIAT, Muddenahalli, Chikkaballapur (Dist.)                                      |
| 7  | "Design Thinking"                                                                        | <b>Refresher programme</b>                                       | AICTE- ISTE                                                                           | One Week        | 07th March 2022 to 12th March 2022, | VTU e-learning center, Mysore and Vidyavardhaka College of Engineering, Mysore. |
| 8  | "Prototype/Process Design and Development"                                               | Workshop                                                         | National Institute of Technology Silchar & Institution's Innovation Council (IIC 4.0) | Five Days       | February 14-18, 2022.               | National Institute of Technology Silchar                                        |
| 9  | Revolution on 5 G and Beyond with Industrial Instrumentation Approach, Machine Learning" | AICTE Training And Learning (ATAL) Academy Online Elementary FDP | AICTE                                                                                 | One week        | 13/09/2021 to 17/09/2021            | Dayananda Sagar College of Engineering, Bangalore                               |
| 10 | "SYSTEM ENGINEERING"                                                                     | AICTE Training And Learning (ATAL) Academy Online Elementary FDP | <b>AICTE</b>                                                                          | One week        | 2021-6-21 to 2021-6-25              | MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY BHOPAL                            |
| 11 | A New cooperative wireless strategy: Soft information forwarding                         | <b>Short term course</b>                                         | <b>SPARC</b>                                                                          | <b>2 weeks</b>  | <b>28-4-2021 to 14-5-2021</b>       | <b>NIT, Tiruchirappalli</b>                                                     |
| 12 | FPGA based Digital system design with HDL                                                | STTP                                                             | AICTE                                                                                 | One week        | 28-6-2021 TO 3-7-2021               | Dr.Rangarajan engg.college, EC dept.                                            |
| 13 | "Power Conversion Technologies for Renewable Energy and Micro-Grid Applications"         | INDO-US National SPARC workshop                                  | Government of India sponsored                                                         | Five-Day Online | 2nd to 6th March, 2021              | Department of Electrical Engineering, NIT Warangal                              |

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| 14 | "Sensors Technology"                                                                                                    | AICTE Training And Learning (ATAL) Academy Online FDP | AICTE     | One week  | 2020-9-21 to 2020-9-25                        | Dr. Ambedkar Institute of Technology, Bangalore                                              |
| 15 | "Applied Cryptography for IoT"                                                                                          | webinar                                               |           | One day   | 27th June 2020                                | Department of Computer Science & Engineering, Dr.Ambedkar Institute of Technology, Bengaluru |
| 16 | "Impact of COVID-19 Pandemic on Women" held on organized by the Department of Electronics and Communication Engineering | Webinar                                               | TEQIP-III | One day   | 14/08/2020                                    | Dr. Ambedkar Institute of Technology, Bengaluru.                                             |
| 17 | " modern renewable energy technology"                                                                                   | Faculty Development Program                           | -         | Three Day | 27th to 29th May 2020                         | sir m visvesvaraya institute of technology, Bangalore                                        |
| 18 | Data science and IoT                                                                                                    | online Faculty Development Program                    | ISTE      | 5 days    | 9-6-2020 TO 13-6-2020                         | SECAB Engg college, vijayapura                                                               |
| 19 | "Recent Trends in Engineering: Industry Perspective"                                                                    | online Faculty Development Program                    | -         | One week  | 26-07-2020 to 30-07-2020                      | Department of Information Science and Engineering Dr. Ambedkar Institute of Technology       |
| 20 | " Recent Trends in Power Systems"                                                                                       | One week Online Faculty Development Program           | -         | ONE WEEK  | 22nd June 2020 to 26th June 2020.             | Sharad Institute of Technology College of Engineering Yadrav (Ichalkaranji)                  |
| 21 | "Challenges and opportunities in ai and ml"                                                                             | One week virtual FDP                                  | -         | 5 days    | 20th to 24th July, 2020                       | Bheemanna Khandre Institute of Technology, Bhalki.                                           |
| 22 | Accelerated design approach for antenna and antenna arrays                                                              | Webinar                                               | -         | 2 days    | 26 <sup>th</sup> & 27 <sup>th</sup> may ,2020 | BIT, Bangalore                                                                               |

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|    | using Altair FEKO                                           |                                             |                                            |          |                                                    |                                                                                                |
| 23 | "NAAC Awareness Programme for Faculty"                      | FDP                                         | -                                          | One week | 08/05/2020 to 14/05/2020.                          | Marathwada Mitra Mandal Institute of Technology (MMIT), Lohgaon, Pune                          |
| 24 | "Satellite Image and Video Data Analytics"                  | Online Short Term Training Programme (STTP) | AICTE Quality Improvement Scheme (AQIS)    | One week | 22nd -27th March 2020                              | Electronics & Telecommunication Engineering at Dr. Ambedkar Institute of Technology, Bangalore |
| 25 | Internet of Things                                          | Knowledge Incubation under teqip(KITE)      | MHRD-Govt. of India, TEQIP III             | One week | 24 <sup>th</sup> to 28 <sup>th</sup> Feb 2020      | IIT, Bonbay                                                                                    |
| 26 | Emerging trends in quality education                        | National seminar                            | IQAC                                       | 2 days   | 15 <sup>th</sup> & 16 <sup>th</sup> Feb, 2019      | Dr.AIT, Bangalore                                                                              |
| 27 | DSP Applications design by using C6713 DSK                  | Workshop                                    | TEQIP-III                                  | 3 days   | 20 <sup>th</sup> to 22 <sup>nd</sup> Feb, 2019     | Dr.AIT, Bangalore                                                                              |
| 28 | The Internationalization of Higher studies                  | National symposium                          | IQAC under TEQIP-III                       | 1 Day    | 18 <sup>th</sup> December, 2018                    |                                                                                                |
| 29 | Awareness on SAR filling for NBA Accreditation              | Workshop                                    | TEQIP-III                                  | 2 days   | 22 <sup>nd</sup> to 23 <sup>rd</sup> October, 2018 | Dr.AIT, Bangalore                                                                              |
| 30 | Advances in signal processing and Robotics                  | One week FDP                                | TEQIP-III                                  | 5 Days   | 27/8/2018 to 1/9/2018                              | Dr.AIT, Bangalore                                                                              |
| 31 | Intellectual property rights                                | seminar                                     | TEQIP-III                                  | 1 day    | 9-08-2018                                          | Dr.AIT, Bangalore                                                                              |
| 32 | Research information management in a networked environment. | workshop                                    | TEQIP-III                                  | 2 days   | 1 <sup>st</sup> & 2 <sup>nd</sup> March 2018       | Library and information center, Dr.AIT, Bangalore                                              |
| 31 | Machine learning and data Analytics: A new frontier.        | workshop                                    | <b>TEQIP-III</b>                           | 2 Days   | 23 <sup>rd</sup> & 24 <sup>th</sup> Jan 2018       | Dr. AIT, B'lore(cse)                                                                           |
| 32 | Entrepreneurship awareness camp                             | EAC                                         | Dept. of science and tech. govt. of India. | 3 days   | 19 <sup>th</sup> to 21 <sup>st</sup> FEB , 2018    | SJBIT,ECE, Bangalore,                                                                          |

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| 33 | Open core Engg. – XLC & Visualisation.                                                                | FDP                     | TEQIP-II       | 3 Days  | 13 <sup>th</sup> – 15 <sup>th</sup> March, 2017   | Dr. AIT, eee                                      |
| 34 | Management and E-Resources for Academic and Research Excellence in Engg. And Technological Libraries. | National workshop       | TEQIP-II       | 2 Days  | 27 <sup>th</sup> & 28 <sup>th</sup> Feb, 2017     | Library and information center, Dr.AIT, Bangalore |
| 35 | “ VLSI and Embedded Systems”                                                                          | Work shop               | TEQIP-II       | 02 days | 28-29 <sup>th</sup> April 2016.                   | Dr. AIT, B'lore(ECE)                              |
| 36 | “Internet of Things(IoT)”                                                                             | Work shop               | TEQIP-II       | 02 days | 1 <sup>st</sup> & 2 <sup>nd</sup> March-2016      | Dr. AIT, B'lore(ISE)                              |
| 37 | “ Advanced digital electronics system design using NI's LabVIEW”                                      | FDP                     | ISTE           | 06      | 20 <sup>th</sup> to 25 <sup>th</sup> January 2016 | SJBIT,B'LORE                                      |
| 37 | “ Industry readiness in engg. Education” (IREE-2015)                                                  | Work shop               | TEQIP-1.2      | 03      | 23 <sup>rd</sup> to 25 <sup>th</sup> April, 2015  | Dr. AIT, B'lore                                   |
| 38 | “ Hands on training on FEKO”                                                                          | Work shop               | TEQIP          | 05      | - 7 <sup>th</sup> to 11 <sup>th</sup> april, 2015 | Dr. AIT, B'lore                                   |
| 39 | “ cognitive software defined radio and open source software programming”                              | Technical seminar       | TEQIP-PHASE-II | 01      | 7 <sup>th</sup> jan, 2015                         | Dr. AIT, B'lore                                   |
| 40 | “ Advanced polymer processing technology”                                                             | Work shop               | TEQIP-PHASE-II | 02      | 6 <sup>th</sup> & 7 <sup>th</sup> may ,2014       | Dr. AIT, B'lore                                   |
| 41 | “ Research methodologies and Latex”                                                                   | Work shop               | TEQIP-PHASE-II | 02      | 23 <sup>rd</sup> to 24 <sup>th</sup> Jan, 2014    | Dr. AIT, B'lore                                   |
| 42 | “ Next generation network simulation tools & frameworks”                                              | Work shop               | TEQIP-PHASE-II | 02      | 12/11/2013 – 13/11/2013                           | Dr.AIT, B'lore                                    |
| 43 | “ Matlab tools and applications”                                                                      | National level workshop | KSIT           | 03      | 28 <sup>th</sup> feb to 2 <sup>nd</sup> mar 2013  | KSIT, B'lore                                      |
| 44 | “Linear algebra and signal processing ”                                                               | FDP                     | SJBIT          | 05      | 23 <sup>th</sup> to 27 <sup>th</sup> july 2012    | SJBIT, B'lore                                     |
| 45 | “ Advances in CMOS VLSI technology”                                                                   | FDP                     | VTU-VGST       | 03      | 8 <sup>th</sup> to 10 <sup>th</sup> feb 2011      | PESCE, Mandya                                     |
| 46 | “ Science, Technology & Society “                                                                     | STTP                    | AICTE-QIP      | 05      | 13-12-2010 to 17-12-2010                          | IIT, Guwahati                                     |

|    |                                                                          |                                   |        |    |                                                     |                |
|----|--------------------------------------------------------------------------|-----------------------------------|--------|----|-----------------------------------------------------|----------------|
| 47 | "Towards achieving excellence in IT education"                           | <b>symposium</b>                  | BITES  | 01 | 20-02-2010                                          | MSRIT, B'lore  |
| 48 | TANTRICS'06                                                              | <b>State level technical fest</b> | TEQIP  | 01 | 2006                                                | Dr.AIT, B'lore |
| 49 | "Emerging trends in VLSI Technology"                                     | <b>STTP</b>                       | TEQIP  | 06 | 18 <sup>th</sup> to 23 <sup>rd</sup> Dec 2006       | Dr.AIT,B'lore. |
| 50 | "Wireless technology & applications"                                     | <b>workshop</b>                   | TEQIP  | 02 | 13 <sup>th</sup> & 14 <sup>th</sup> Dec 2006        | BMSCE, B'LORE  |
| 51 | "Maintenance of PC's" -                                                  | <b>state level workshop</b>       | Dr.AIT | 02 | 24 <sup>th</sup> to 25 <sup>th</sup> nov, 2006      | Dr.AIT,B'lore. |
| 52 | "Building national competitive advantage through technical education"    | <b>National seminar</b>           | AICTE  | 02 | 29 <sup>th</sup> & 30 <sup>th</sup> nov 2004        | Dr.AIT, B'lore |
| 53 | "Data base technology"                                                   | <b>STTP</b>                       | AICTE  | 15 | 4 <sup>th</sup> to 17 <sup>th</sup> march 2002      | BMSCE,B'lore   |
| 54 | "Document Image analysis & recognition"                                  | <b>STTP</b>                       | AICTE  | 13 | 15 <sup>th</sup> july to 27 <sup>th</sup> july 2002 | PESCE, Mandya  |
| 55 | "Lasers & applications of lasers"                                        | <b>STTP</b>                       | AICTE  | 14 | 18 <sup>th</sup> june to 1 <sup>st</sup> july 2002  | Dr.AIT, B'lore |
| 56 | C++ "                                                                    | <b>STTP</b>                       | ISTE   | 17 | 3 <sup>rd</sup> to 17 <sup>th</sup> June 2002       | Dr.AIT, B'lore |
| 57 | "Advanced internet programming-"                                         | <b>STTP</b>                       | AICTE  | 09 | June 12-23, 2000                                    | Dr.AIT, B'lore |
| 58 | "Recent advances in chemical, electro-chemical & nuclear energy systems" | <b>Two weeks STTP</b>             | AICTE  | 11 | 21-10-1999 to 31-10-1999                            | PESCE, Mandya  |
| 59 | "Computers in Bio-medical engg"                                          | <b>STTP</b>                       | AICTE  | 13 | 21-4-1997 to 3-5-1997                               | PESCE, Mandya  |
| 60 | "IBM-PC assembly language programming"                                   | <b>STTP</b>                       | ISTE   | 19 | 20-02-1995 to 10-03-1995                            | Dr.AIT, B'lore |

### 9. Extra Curricular/ Co-curricular Activities and its details.

| <b>Sl. No.</b> | <b>Details</b>                                                                                                                                                                                                               |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1              | Annual inter department sports for staff-1993-Ist place in 100mts,200mts,long jump,400mts and <b>individual championship.</b>                                                                                                |
| 2              | Annual inter department sports for staff- 2012-13-100mts-II place, long jump- II place, shot put-II place, Discuss throw-III place.                                                                                          |
| 3              | Technical project titled "Wireless Electronic Multiline Notice Board" exhibited in technical exhibition held on 14-4-2014 at Dr.AIT, Bangalore during 124 <sup>th</sup> birth anniversary of Bharath Rathna Dr.B.R.Ambedkar. |

#### ***10. Contribution to university/Institute/Department.***

##### **Institution level:**

- Audited the academic activities of even semester(2020-21) for UG & PG courses
- Member of Extra Curricular Activities Committee(ECAC) –from 2021-2022(for 2 years)
- Member of verification committee for the scrutiny of backlog posts- 2021-2022
- KSCST Coordinator

##### **Department level:**

- Participated in Collection & Analysis of Students Academic data for NBA
- Developed Practical Manuals for the Standardization of Laboratory
- NBA Criteria head for criteria 7
- BOS Coordinator
- SEE QP's auditing committee member
- Model QP auditing committee member
- BOE member

#### **11. Strengths.**

- 1. Handling the class with control over the students.**
- 2. Fluency in talking (teaching).**
- 3. Maintaining punctuality in taking the class.**
- 4. Time sense in taking the class.**

#### **12. Weaknesses.**

- 1. Getting confused when doubt was asked by the students.**
- 2. Could not write very neatly on the board.**
- 3. Short tempered when students talk unnecessarily in between the class.**
- 4. Could not teach (speak) continuously for more than two hours.**

#### **13. Deputation details.**

**Deputed to do M.Tech to SJCE under VTU through DTE during the year 1998-2000 under QIP programme.**

**14. Others.**

- **Felicitated on the day of women's day as a sports achiever in BIT Bangalore IN 2023.**
- **Participation in college sports activities.**

**(SUDHA B S)**

**Signature**