

**DETAILS OF STAFF DEPUTED FOR TRAINING PROGRAMMES – 3B**

| Department                 | Sl. No. | Name of the Programme  | No. of Staff attended |
|----------------------------|---------|--|-----------------------|
| Electrical and Electronics | 1       | "Advanced Materials, Machining and Characterization", from 6th to 10th July 2020, Organised by Sir M Visvesvaraya Institute of Technology Bangalore  | 1                     |
|                            | 2       | "Professional Ethics" from 10th to 14th August 2020 by Providence College of Engineering Chengannur.   | 2                     |
|                            | 3       | " Universal Human Values" from 21st to 25th September by NIT Patna   | 5                     |
|                            | 4       | "Transition in Power Electronics towards Sustainable, Smart and Flexible Micro-Grids" from 19th to 23rd October 2020 NIT Delhi   | 1                     |
|                            | 5       | "Recent Trends in Electric Vehicles" from 30th November to 5th December 2020 by Pragathi Engineering College Surampalem, Andra Pradesh.  | 1                     |
|                            | 6       | FDP on Research Initiatives in Advanced Control Systems conducted by EEE Departement, Muthoot Institue of Technology from 22 to 26 February 2021   | 1                     |
|                            | 7       | "Recent Trends in Renewable Energy" from 10th to 12th September 2020 by SBCET  | 1                     |
|                            | 8       | "Machine Learning and Android" (21 - 25, Dec., 2020) organized by SBCET Jaipur.  | 2                     |
|                            | 9       | "Matlab and it's Applications " held from 04/01/2021 to 08/01/2021 at Sri Balaji College of Engineering and Technology, Jaipur   | 1                     |
|                            | 10      | TEQIP sponsored FDP on "Professional ethics in current pandemic scenario", organised by college of engineering Perumon from 22 feb to 27 feb 2021  | 1                     |
|                            | 11      | AICTE sponsored Faculty Development Program on "Power Electronics Applications in Microgrid and Electric Vehicle Systems" conducted by the Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during March 01-06, 2021. | 2                     |
|                            | 12      | Short Term Training Program on" Implementation of Advanced Optimization Techniques using MATLAB" organized by Electrical Engineering Department under RIT-Center for Teaching and Learning (RIT-CTL) during 01st to 06th June, 2020  | 2                     |
|                            | 13      | Training Program on "Implementation of Multi-objective Optimization Algorithm (NSGA -II) using MATLAB" organized by Electrical Engineering Department under RIT-Center for Teaching and Learning (RIT-CTL) during 29th June to 03th July, 2020.                              | 1                     |
|                            | 14      | FDP on "Emerging Trends & Potential Energy Storages in Renewable Systems" Organized by the Department of Electrical and Electronics Engineering,Musaliyar College of Engineering,Pathanamthitta, in association with KSEB EA & IEEE SB from 3rd August to 7th August 2020    | 1                     |

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| 15 | TEQIP-III sponsored FDP on "Blockchain- Underline Technology and Its Applications" (25 - 29 Jan., 2021) organized by SBCET Jaipur  | 5 |
| 16 | FDP on "Perspectives of Teaching Power Systems" during 17th – 21st May 2021National Institute of Technology, Tiruchirappalli under the aegis of AICTE – MARGDARSHAN Scheme.  | 1 |
| 17 | FDP on "Technologies for Smart Electrical Power Grid" during 24th – 28th May 2021 ,National Institute of Technology,Tiruchirappalli under the aegis of AICTE – MARGDARSHAN Scheme  | 2 |
| 18 | Short- term course on "Sustainable Power System" during 7th – 11th June 2021 ,National Institute of Technology, Tiruchirappalli  | 1 |
| 19 | AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 2021-2-5 to 2021-2-9 at Rajasthan Technical University Kota.  | 2 |
| 20 | AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Embedded Design and Development using Free / Open Source Tools " from 09/08/2021 to 13/08/2021 at Centre for Development of Advanced Computing.   | 1 |
| 21 | TEQIP sponsored online FDP on Electric Vehicles: Charging and Challenges, organized by EEE Department, College of Engineering, Vadakara, held during 05-09, February 2021  | 4 |
| 22 | Advancements in Electrical Engineering: An Academic and Industrial approch, Conducted by National institute of Technology Silchar, 3-7 august 2020   | 1 |
| 23 | FDP on "Supply Chain Analytics" organized by Department of Mechanical Engineering, M. A. College of Engineering Kothamangalam in association with ISTE from 16th to 18th January 2020.   | 1 |
| 24 | Five-day e-workshop on "Recent Trends in Operation and Planning of Distribution System and Microgrid" (4th to 8th January 2021) Organized by Department of Electrical and Electronics Engineering,National Institute of Technology Tiruchirappalli In Association with The Hong Kong Polytechnic University. | 1 |
| 25 | FDP on "Art of Studeny Centric Teaching" sponord by APJAKTU, organized by the Department of Computer Science & Engineering, NSS College of Engineering Palakkad, from 8/2/2021 to 12/2/2021.   | 1 |
| 26 | Online Training Programme on "Small and Medium Hydro Electric PowerProjects" organized by the College of Engineering Trivandrum, from 22/2/2021 to 27/2/2021.  | 1 |
| 27 | KTU sponsored online FDP on "Recent advances in Power Eectronics amd Power System" organized by the Department of Electrical and Electronics Engineering, Muthoot Institute of Technology and Science, from 14/6/2021 to 18/6/2021.  | 4 |
| 28 | National Level Training on "PMU for Smart Grid Application, Development, Standards, Calibration and Testing in India" organized by IEEE PES Student Branch Chapter & Industrial Power Group, National Institute of Technology Calicut, on 26th and 27th October, 2020  | 2 |

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| 29 | Short Term Training Programme through ICT Mode on "Theory, Operation and Experimentation on Sensors, Transducers & Actuators" organised by NITTR, Kolkata from 06/07/2020 to 10/07/2020   | 1 |
| 30 | FDP on Art of Student Centric Teaching, APJAKTU Sponsored, from 8/2/2021 to 12/2/2021   | 2 |
| 31 | FDP on Software tools for power converter design, Department of EEE, National Institute of Technology Tiruchirappalli, From 26/4/2021 to 30/4/2021  | 1 |
| 32 | FDP on Modern trends in power electronics, organized by Department of Electrical and Electronics Engineering, College of Engineering, Perumon, from march 8 to 12, 2021   | 2 |
| 33 | FDP on power converter, an embedded systems based approach, organized by Department of Electrical and Electronics Engineering, FISAT, Angamaly, from 22/7/21 to 28/7/21   | 2 |
| 34 | FDP on "Electric Vehicles" from 2020-9-1 to 2020-9-5 at GYAN GANGA INSTITUTE OF TECHNOLOGY AND SCIENCES , JABALPUR  | 1 |
| 35 | Faculty Development Programme on "Biomedical Instrumentation-Research Challenges" organized by Department of Electrical & Electronics Engineering and Electronics & Communication Engineering, Amal Jyothi College of Engineering, Kanjirappally from 22.02.2021 to 26.02.2021 with KSEB EA & IEEE SB from 3rd August to 7th August 2020. | 3 |
| 36 | Modern Power System Optimization Techniques, Tools, and Applications ( conducted from 3 rd to 7 th May 2021 organized by the Department of EEE, National Institute of Technology Tiruchirappalli  | 2 |
| 37 | TEQIP Sponsored Scientific Computing with Python from 9th November to 20th November, 2020 09-11-2020 20-11-2020   | 1 |
| 38 | AICTE Sponsored Data Analytics and Machine Learning Phase II 17-08-2020 22-08-2020  | 2 |
| 39 | AICTE Sponsored Data Analytics and Machine Learning Phase I 03-08-2020 08-08-2020   | 1 |
| 40 | IEEE Sponsored Modern Control Techniques for Power and Energy Systems 07-09-2020 13-09-2020   | 2 |
| 41 | Research Initiatives in Renewable Energy Systems  | 1 |
| 42 | Active Learning of Power Electronics Using Sequel App   | 1 |
| 43 | AICTE Training and Learning (ATAL) Academy Online Faculty Development Programme on "Internet of Things (IoT)" from 2021-1-11 to 2021-1-15 at LBS College of Engineering, Kasaragod.   | 1 |
| 44 | AICTE Training and Learning (ATAL) Academy Online Faculty Development Programme on "3D Printing & Design" from 2020-11-16 to 2020-11-20 at Mar Athanasius College of Engineering.   | 1 |
| 45 | International Webinar and Faculty Development Programme on "Strategies to Write Good Research Article - Part II" organized by Department of Commerce, Manipal Academy of Higher Education in association with   | 1 |

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|    | Center for Consulting, Training & Corporate Interface and Indian Bureau of Administrators & Technocrats on 13th September 2020  |   |
| 46 | National Level Webinar on 'National Education Policy (NEP) 2020: Highlights and Challenges', organized by the IQAC of St. Thomas College of Teacher Education, Pala on 27th August, 2020.   | 1 |
| 47 | International Virtual Faculty Development Programme on "Upskilling for the Future: Technical Innovations and Research Opportunities in Power Engineering" organized by Department of EEE B. N. M. Institute of Technology Bengaluru from 10th to 14th August 2020 | 1 |
| 48 | National Webinar on "Approach to NAAC Accreditation" supported by UGC under Paramarsh scheme and organized by the Internal Quality Assurance Cell (IQAC), Mar Athanasius College (Autonomous), Kothamangalam from 06 August 2020 to 08 August 2020.               | 1 |
| 49 | "Research opportunities, challenges in power electronics for EV and its impact on smart grid" from 14th-20th December 2020 organized by NIT , Tiruchirappalli.  | 2 |
| 50 | "Introduction to Electric vehicles, opportunities and challenges- case study ", from 3rd August 2020 to 8th August 2020 organised by Saintgits college of engineering.  | 2 |
| 51 | "Trends and technologies in antenna design and its research scopes", from 10th to 16th August 2020 organised by Toc H   | 1 |
| 52 | TEQIP II sponsored five days FDP on "Role of power electronics in renewable energy systems" organized by Department of EEE, College of Engineering Kidangoor from 5th to 9th July 2021.   | 1 |
| 53 | How to turn engineers in to entrepreneurs by MBITS from 9th to 11th August 2020.  | 1 |
| 54 | AICTE sponsored fdp on "Renewable Energy and Power Electronics for Electric Vehicle Applications" organized by Department of Electrical & Electronics Engineering , Rajiv Gandhi Institute of Technology, Kottayam from 26.05.2021 to 01.06.2021                  | 2 |
| 55 | Webinar on 'Outcome Based Teaching Learning Process in Technical Education", conducted by National Institute of Technical Teachers Training and Research, Chennai on 06/05/21   | 1 |
| 56 | ATAL Online FDP on " Electric Vehicles" organised by Manipal University , Jaipur from 1/2/2021 -5/2/2021.   | 1 |
| 57 | ATAL Online FDP on " Electric Vehicles" organised by JN National College of Engg Shimoga from 2/11/2020- 6/11/2020 3. ATAL Online FDP on " Electric Vehicles" organised by College of Engg. Cherthala from 18/1/2021- 22/1/2021                                   | 1 |
| 58 | STTP on " Emerging Trends in Power Systems" by School of Engineering, CUSAT from 14/9/2020- 18/9/2020   | 1 |
| 59 | FDP on " Introduction to PLECS Tool for Power Electronics Application " by Siddhartha College, AP in association with PLEXIM, Switzerland from 2/7/2020- 6/7/2020.  | 1 |

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|                                  | "Control System Applications with Matlab Sessions", organized by the Department of Electrical and Electronics Engineering , Rajagiri School of Engineering & Technology, from 27th to 31st July 2020.  | 2  |
| 60                               | "Basic PLC & Programming" , jointly organized by the Department of Electrical and Electronics Engineering , Muthoot Institute of Technology & Science inassocation with Seimens from 6th to 11th November 2020.  | 2  |
| 61                               | "Recent Trends in Eginering", jointly organized by the Department of Electrical and Electronics Engineering , Universal Enginering College and IQAC from 24th, to 28th August 2020.  | 2  |
| 62                               | ATAL Online FDP on "GLOBAL WARMING & IMPACTS OF POWER ELECTRONICS TOWARDS GREEN TECHNOLOGY" from 2021-05-24 to 2021-05-28 at SRM Valliammai Engineering College.   | 2  |
| 63                               | One-week virtual faculty development programme on, "Emerging Trends in Electric Vehicles and Infrastructure Development" Organized by IEEE Educational Activities Committee, IEEE Bombay Section, RIT-CTL & RIT-IEEE Student Branch in association with Department of Electrical Engineering, RIT, Rajaramnagar on 12 – 17, July 2021. | 2  |
| 64                               |  |    |
| Computer Science and Engineering | 65 Universal Human Values for DEEKSHARAMBH   | 3  |
|                                  | 66 Blockchain Applications   | 3  |
|                                  | 67 Artificial Intelligence   | 1  |
|                                  | 68 Architecture and Security   | 15 |
|                                  | 69 Applications of Artificial Intelligence and IoT in Engineering  | 1  |
|                                  | 70 Embedded System Technologies for Deep Learning and Approximate Computing  | 1  |
|                                  | 71 Mathematics for Machine Learning  | 3  |
|                                  | 72 Pattern Recognition: Theory and Applications  | 1  |
|                                  | 73 NoSQL database MongoDB using Python   | 1  |
| Mathematics and Schience         | 74 Algorithms and Complexity   | 1  |
|                                  | 75 Role of Technical Institutions in Community Development   | 1  |
|                                  | 76 Blockchain Technology and its Applications  | 1  |
|                                  | 77 Advanced Linux Administration   | 7  |
|                                  | 78 Universal Human Values for DEEKSHARAMBH   | 3  |
|                                  | 79 Computational Mathematics   | 2  |
|                                  | 80 Research Methodology: Research,Ethics, Methods,Skills, Writing & Communication  | 1  |
|                                  | 81 Induction Programme   | 1  |
|                                  | 82 Orientation Programme   | 1  |
|                                  | 83 Mathematics for Data Science  | 1  |

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|   | 84  | Applied Engineering in Environmental Protection: Relevance of Green Technology                | 1  |
|   | 85  | Communicative Engineering Skills for Engineering Students and Faculty                         | 1  |
|   | 86  | Outcome Based Education in Higher Education Sector  | 1  |
|   | 87  | International Conference on Graph Connections   | 1  |
| Electronics and Communication Engineering | 88  | 5G and Beyond   | 3  |
|   | 89  | Digital Communication and Communication Networks  | 4  |
|   | 90  | Recent Trends in Communication Engineering  | 4  |
|   | 91  | Big Data in IOT   | 2  |
|   | 92  | Recent Advancements in Wireless Communication Technologies                                    | 2  |
|   | 93  | 5G and VNA Measurements with Live Demonstration using Anritsu Instruments                     | 1  |
|   | 94  | Hello EMI and EMC   | 1  |
|   | 95  | Modelling Simulation & fabrication of future Nano electronics devices and Simulation          | 1  |
|   | 96  | Microsystems Design and Control Technology  | 1  |
|   | 97  | Trends and Technologies in Antenna Design and its Research Scopes                             | 1  |
|   | 98  | Orientation towards Technical Education and Curriculum Aspects Module 1 of NITTT              | 13 |
|   | 99  | Professional Ethics and Sustainability - Module 2 of NITTT                                    | 13 |
|   | 100 | Communication Skills, Modes and Knowledge Dissemination- Module 3 of NITTT                    | 12 |
|   | 101 | Instructional Planning and Delivery - Module 4 of NITTT                                       | 12 |
|   | 102 | Technology Enabled Learning and Life long Self Learning - Module 5 of NITTT                   | 11 |
|   | 103 | Student Assessment and Evaluation - Module 6 of NITTT   | 11 |
|   | 104 | Constitutional rights and safety management-ISTE  | 1  |
|   | 105 | Modeling, Simulation and Fabrication of Future Nano-electronic Devices and Sensors (MSFNS'20) | 1  |
|   | 106 | Recent trends in VLSI Devices/Circuits and Applications                                       | 1  |
| Computer Applications                     | 107 | FDP on Recent trends and advancements in Information Technology                               | 6  |
|   | 108 | FDP on Advanced Data Structures   | 4  |
|   | 109 | Workshop on Machine Learning  | 3  |
|   | 110 | FDP 6 Days STTP on Data Analytics and Machine Learning Tools                                  | 2  |
|   | 111 | Six day Hands-on Faculty Development Programme on Data Science using Python, R and Orange     | 1  |
|   | 112 | STTP on "Writing and publishing High Impact research publication & Scientific document        | 2  |
|   | 113 | FDP on Block chain & IOT  | 1  |
|   | 114 | FDP on Introduction to Machine Learning Techniques  | 1  |
|   | 115 | FDP on Network security challenges and solutions using Artificial Intelligence approaches     | 1  |
|   | 116 | RBCDSAI's International summit on Data science and Artificial Intelligence                    | 1  |

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|                        | 117 | Webinar on online tool research  | 1  |
|                        | 118 | FDP on Cues for quality research publication in computer science   | 1  |
|                        | 119 | FDP on Git hubs hands on workshop  | 1  |
|                        | 120 | FDP on Machine learning applications an industrial perspective   | 1  |
|                        | 121 | Online course on Deep Learning   | 1  |
|                        | 122 | FDP on Python Intermediate for beginners   | 1  |
|                        | 123 | FDP on Digital Image Processing and Computer vision  | 1  |
|                        | 124 | FDP on Emerging AI Techniques in Data Analytics  | 1  |
|                        | 125 | FDP on Linux Fundamentals with Cloud and Container Platform  | 1  |
|                        | 126 | STTP on Deep Learning  | 1  |
|                        | 127 | ATAL FDP on Embedding AI in Smart Sensors  | 1  |
|                        | 128 | ATAL FDP on Quantum Computing Algorithms and Machine Learning  | 1  |
|                        | 129 | FDP on Statistics for Data Analytics   | 1  |
| Civil Engineering      | 130 | Online Faculty Development Program on Universal Human Values for Deeksharambah organised by Department of Mechanical Engineering,National Institute of Technology , Patna,21/9/2020-25/9/2020      | 6  |
|                        | 131 | Online Faculty Development Program on Advances in Nanotechnology organised by Department of Mechanical Engineering,College of Perumon , 04/06/2020-06/11/2020                                      | 1  |
|                        | 132 | Online Faculty Development Program on IoT and Artificial Intelligence Applications in Civil Engineering, organised by Department of Civil Engineering,NITTTR,Chandigarh , 07/12/2020-11/12/2020    | 1  |
|                        | 133 | Faculty Development Program on SWAT Modelling organised by NIH,Roorke,21/9/2020-25/9/2020  | 1  |
|                        | 134 | Faculty Development Program on The Joy,Opportunities and Challenges in Field Hydrological Research organised by Department of Civil Engineering,NIT Mysuru and IIT Guwahati ,02/11/2020-06/11/2020 | 1  |
|                        | 135 | Faculty Development Program on Electric Powertrain and Chassis Engineering organised by Department of Electrical and Electronics Engineering,MACE,Kothamangalam ,24/7/2020-30/7/2020               | 2  |
|                        | 136 | Online Faculty Development Program on Advanced Surveying and Geoinformatics organised by Department of Civil Engineering,Ramaiah Institute of Technology,Bengaluru ,24/8/2020-29/8/2020            | 1  |
| Mechanical Engineering | 137 | 3 D printing and design  | 6  |
|                        | 138 | Advances in Heat Transfer & its Application  | 1  |
|                        | 139 | Apparel Design   | 1  |
|                        | 140 | Art of Student Centric Teaching  | 14 |
|                        | 141 | Design and Manufacturing (ATAL)  | 1  |
|                        | 142 | Design of Experiments in Engineering   | 1  |
|                        | 143 | Enduring trends in hydraulic control systems: past, present and future   | 3  |
|                        | 144 | FDP on art of student centric teaching   | 1  |
|                        | 145 | ICRAMM   | 1  |

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| 146 | Innovation in Materials & Industrial Automation Phase I   | 1 |
| 147 | Introduction to Special Topics like Nanotribology, Biotribology, Space Tribology, Biomimetics and Tribology in Industry | 1 |
| 148 | Introduction to Tribology and Surface Engineering   | 1 |
| 149 | Ligion battery technology   | 1 |
| 150 | Manufacturing and Monitoring  | 1 |
| 151 | Matlab Fundamentals   | 2 |
| 152 | Mechanical and Manufacturing Engineering  | 1 |
| 153 | Modern Pedagogical Techniques for Effective Teaching and Learning   | 1 |
| 154 | Online Industrial Training on Creo Software   | 1 |
| 155 | Open core smart manufacturing - building the bridge between automation and information technology                       | 1 |
| 156 | Opportunities and challenges in Academic Research   | 2 |
| 157 | Rapid Prototyping and Digital Manufacturing   | 1 |
| 158 | Recent Advances in Manufacturing Science and Technology   | 2 |
| 159 | Soft computing techniques   | 2 |
| 160 | Surface Characterization and Treatments in Tribology  | 1 |
| 161 | Sustainability Engineering  | 1 |
| 162 | Teaching-Learning Using Matlab(ATAL)  | 1 |
| 163 | Tribology of Machine Components and Applied Tribology   | 1 |
| 164 | Universal Human Values  | 3 |