

Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs

| Year | Number of teachers who attended | Title of the professional development program | Date and Duration (from – to) |
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| 2015 | 01-(Dr Arvind Dhingra) | Re-imaging Networks and Quality Assurance | 01-10-2015 |
| 2015 | 01-(Dr Arvind Dhingra) | Participation in One-Day Interactive session for newly elected chairman and Honorary Secretaries of IEI State and Local centres. | 21/02/2015 |
| 2015 | 01-(Dr Arvind Dhingra) | Participation in MHRD's National Mission for Teachers and Administrators Management Capacity Enhancement Programme. | 08/06/2015-14/06/2016 |
| 2015 | 01-(Dr Arvind Dhingra) | ISTE Best Teacher Award-for Academic Achievements and Meritorious Teaching | 11-05-2015 |
| 2015 | 01-(Dr Arvind Dhingra) | Advanced Semiconductor Packaging Workshop at Rupnagar, Punjab. | 11-07-2015 |
| 2016 | 01-Er Gagandeep Kaur Gill | One week STC on Open Source Technologies | 4/01/2016-08/01/2016 |
| 2016 | 01-(Er Sonia Grover) | One Week STC on Green and Energy Efficient Buildings by ICT | 29/02/2016-04/03/2016 |
| 2016 | 02-(Er Ravinder Kaur Randhawa, Er Samreet Kaur Gosal) | One week STC on Advances on OFC Technology | 25/04/2016-29/04/2016 |
| 2016 | 03-(Dr Navneet Singh Bhangu, Er Ravinder Kaur Randhawa, Er Samreet Kaur Gosal) | Universal Human Values Development in students | 18/04/2016-20/04/2016 |
| 2016 | 01-(Dr Arvind Dhingra) | Two Weeks FDP on Technology and Management on Electronic Product Design | 2/05/2016-13/05/2016 |
| 2016 | 01-(Dr Arvind Dhingra) | Participating in Training Programme on election software. | 17/07/2016 |
| 2016 | 01-(Er Sonia Grover) | Two weeks FDP conducted by Department of Science and Technology, Government of India, New Delhi. | 30/09/2016 |
| 2016 | 01-(Dr Arvind Dhingra) | Participating in Seminar on Smart Grids and Alternating Sources of Energy | 11-04-2016 |
| 2016 | 02- (Dr Kanwardeep singh, Er Ravinder Kaur Randhawa) | National Seminar on smart Grids and Alternating Sources of Energy | 4/11/2016 |
| 2016 | 04- (Dr Kanwardeep singh, Dr Arvind Dhingra, Er Ravinder Kaur Randhawa, Er Samreet Kaur Gosal) | Two Weeks FDP on Waste Management and Optimization Techniques | 27/12/ 2015-5/01/2016 |
| 2017 | 01-(Er Sonia Grover) | Two Day Workshop on Effective Teaching Pedagogy and Research Methodology. | 17/03/2017-18/03/2017 |
| 2017 | 05-(Er Rupinderjit Singh, Dr Arvind Dhingra, Dr Navneet Singh Bhangu, Er Harmeet Singh Gill, Er Gagandeep Singh Sodhi) | Two weeks ISTE STTP on Electric power System | 10/07/2017-15/07/2017 |
| 2017 | 01-(Dr Arvind Dhingra) | Two Weeks FDP on Research and Medical Imaging, Biomedical Imaging and Health Benefits. | 23/10/2017-3/11/2017 |
| 2017 | 01-(Er Sonia Grover) | Workshop on Energy Efficient Building Materials and appliances | 11-07-2017 |

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| 2017 | Kaur Randhawa, Er Samreet Kaur Gosal, Er Sonia Grover, Er Amandeep Singh Ghatora) | One week STC ON Energy Advancements and Emerging Technologies in the Energy Sector | 27/11/2017-1/12/2017 |
| 2017 | 01-(Dr Arvind Dhingra) | ISTE Best Teacher Award-Outstanding achievement in the field of Technical Education. | 11-02-2017 |
| 2017 | 03-(Er Ravinder Kaur Randhawa, Er Samreet Kaur Gosal, Er Sonia Grover) | Two Weeks FDP on Design Challenges on Low Power VLSI Design from 4th-16th Dec, 2017 at GNDEC Ludhiana | 4/12/2017-16/12/2017 |
| 2017 | 01-(Er Sonia Grover) | Participation in the course titled Waste Management by three/four dimensional Printing | 18/12/2017-22/12/2017 |
| 2018 | 01-(Dr Arvind Dhingra) | Participating in edumeet on factory Automation | 19/01/2018 |
| 2018 | 01-(Dr Kanwardeep Singh) | One week FDP on Insights of Image Processing and their Recent Trends from 7-11th March, 2018 at GNDEC Ludhiana | 7/03/2018-11/03/2018 |
| 2018 | 01-(Dr Arvind Dhingra) | ISTE Best Teacher Award-Outstanding achievement in the field of Technical Education. | 10-12-2018 |
| 2018 | 04- (Er Shivani abrol, Er Gagandeep Kaur Gill, Er Harleen Kaur Salana, Er Arshdeep Kaur) | POC- One day Workshop at Gndec, ludhiana conducted by IIT Kanpur | 19/11/2018 |
| 2018 | 01-(Navneet Singh Bhangu) | STC on Decision Making Strategies on Industrial Environment | 04/12/2018-08/12/2018 |
| 2019 | 01-(Er Shivani Abrol) | STC-AI, Big Data and HPC aligned applications- a modern approach | 30/12/ 2018-04/01/2019 |
| 2019 | 05-(Dr Kanwardeep Singh, Dr Arvind Dhingra, Er Ravinder Kaur Randhawa, Er Shivani Abrol, Er Sonia Grover) | One Week FDP on Energy Conservation and Alternate Sources of Energy, ECASE-2019 | 29/01/2019-02/02/2019 |
| 2019 | 01-(Dr Arvind Dhingra) | participated on 3 day SEED Training of Trainers | 20/05/2019-22/05/2019 |
| 2019 | 01-(Dr Arvind Dhingra) | Two Day Training Programme on ECBC-2017. | 02/05/2019-03/05/2019 |
| 2019 | 02-(Er Ravinder Kaur Randhawa, Er Samreet Kaur Gosal) | One week FDP on Pedagogical Tools and Techniques -"Effective Teaching and Comprehensive Techniques. | 21/05/2019-1/06/2019 |
| 2019 | 01-(Dr Arvind Dhingra) | one day expert XLX- learning through experience on creativity, innovation and skills | 20/06/2019 |
| 2019 | 01-(Dr Arvind Dhingra) | One Week FDP on Personal Growth through competency enhancement. | 8/07/2019-12/07/2019 |
| 2019 | 01-(Dr Arvind Dhingra) | STC on Clean energy Technologies | 10/06/2019-14/06/2019 |
| 2019 | 01-(Er Amandeep Singh Ghatora) | STC on Microgrids and Renewable Energy Technologies | 06/06/2019-11/06/2019 |
| 2019 | 03-(Er Gagandeep Kaur Gill, Er Harleen Kaur Salana, Er Arshdeep Kaur) | One week FDP on ENABLING Technologies for Wireless and Optical Networks from June 10-June 15th, 2019 | 10/6/2019-15/06/2019 |
| 2019 | 01-(Er Kuldeep Singh Kooner) | Two Days certified course on Solar rooftop installation | 13/07/2019-14/07/2019 |
| 2019 | 01-(Dr Arvind Dhingra) | National Seminar on Internal quality Assurance | 31/08/2019 |
| 2019 | 06-(Dr Kanwardeep Singh, Er Ravinder Kaur, Er Shivani Abrol, Er Gagandeep Kaur Gill, Er Harleen Kaur Salana, Er Arshdeep Kaur) | One Day TEQIP-III Workshop on MicroGrid, WaveCT and RCP Tool WMG 19, | 19/09/2019 |
| 2019 | 02-(Dr Arvind Dhingra, Er Rupinderjit Singh) | STC on Biomass and other added products | 25/11/2019-29/11/2019 |
| 2019 | 02-(Er Gagandeep Kaur Gill, Er Arshdeep Kaur) | Machine Learning on Intelligence Applications at IIT Delhi | 9/12/2019-13/12/2019. |
| 2019 | 01-(Er Ravinder Kaur Randhawa) | 2 Weeks FDP on Multivariate Data Analysis | 11/12/2019-24/12/2019 |
| 2019 | 01-(Er Shivani Abrol) | Workshop on Exam reforms at NITTTR Chandigarh from 09/12/2019-12/12/2019 | 09/12/2019-12/12/2019 |
| 2019 | 01-(Dr Kanwardeep Singh) | Professional Development Training under TEQIP-III at IIM Tiruchirapalli | 16/12/2019-17/12/2019 |

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| 2020 | Dr. Kanwardeep Singh | ICT enabled Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Dr. Kanwardeep Singh | Efficient , Trackable and sustainable workflow | Dec 02-06, 2020 |
| 2020 | Dr. Kanwardeep Singh | Workshop on Electric Vehicle power converter Design | Feb 29,2020 |
| 2020 | Dr. Arvind Dhingra | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Dr. Arvind Dhingra | Additive Manufacturing & Process optimization, | April 9-13,2020 |
| 2020 | Dr. Arvind Dhingra | Green and Intelligent Buildings, ICT mode, | April 14-18,2020 |
| 2020 | Dr. Arvind Dhingra | NBA Accreditation and SAR Preparation, | April 20-24,2020 |
| 2020 | Dr. Arvind Dhingra | Environment and Sustainable Development, ICT mode, | April 20-24,2020 |
| 2020 | Dr. Arvind Dhingra | Technological Advancement in Power System Control, Power Controllers, drives & E- Vehicles- TAPPAD2020, | April 27- May 1,2020 |
| 2020 | Dr. Arvind Dhingra | Efficient , Trackable and sustainable workflow | Dec 02-06, 2020 |
| 2020 | Dr. Arvind Dhingra | One day capacity building program under Municipal demand side management | June 5,2020 |
| 2020 | Dr. Arvind Dhingra | Life Skills | May 18-22,2020 |
| 2020 | Dr. Arvind Dhingra | Emerging Power Conversion Techniques and Challenges in Renewable Energy Systems | June 2-6,2020 |
| 2020 | Dr. Arvind Dhingra | Road map to get a quality patent | June 13,2020 |
| 2020 | Dr. Arvind Dhingra | One week FDP on Research and Innovation | June 5-9,2020 |
| 2020 | Dr. Arvind Dhingra | One week IGEN PIT FDP on Renewable Energy Systems | June 8-12,2020 |
| 2020 | Dr. Arvind Dhingra | Five day Virtual International Faculty development Program on Research Orientations in engineering with effective outcomes | 26-30 July,2020 |
| 2020 | Dr. Arvind Dhingra | One week Integration of Renewable Energy and Big data analytics of Smart Grid | November 2-7,2020 |
| 2020 | Dr. Arvind Dhingra | One week FDP on Power Electronics Applications in Smart Grid: Recent Advances | June 16-20,2020(TEQIP-III sponsored) |
| 2020 | Dr. Navneet Singh Bhangu | Latest wireless and computing Technology | April 14-18,2020 |
| 2020 | Dr. Navneet Singh Bhangu | Digital Transformation of institutions of Higher Learning | Dec 1-5,2020 |
| 2020 | Dr. Navneet Singh Bhangu | Waste Management | May 11-15, 2020 |
| 2020 | Dr. Navneet Singh Bhangu | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Er. Gagandeep Singh Sodhi | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Er. Gagandeep Singh Sodhi | Robotics and Automation | March 1-15 , 2020 |
| 2020 | Er. Harmeet Singh Gill | Wellness and stress management during Pandemic | April 27 to May 1' 2020 |
| 2020 | Er. Harmeet Singh Gill | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Er. Harmeet Singh Gill | "Research Scholars weeks" engineering RSW-2020 | 17-22 September,2020 |
| 2020 | Er. Harmeet Singh Gill | Latest wireless and computing Technology | April 14-18,2020 |
| 2020 | Er. Harmeet Singh Gill | Environment and Sustainable Development, ICT mode, | 20-24 April, 2020 |
| 2020 | Er. Harmeet Singh Gill | Academic Leadership Enhancement in Technical Institution | 4-8 May,2020 |
| 2020 | Er. Harmeet Singh Gill | Innovative Pedagogical Methodologies and Tools for Effective Learning in Engineering Education | 26 Oct-7 Nov, 2020 |
| 2020 | Er. Harmeet Singh Gill | Professional Development Training | Jan 11-15 2020 |
| 2020 | Er. Harmeet Singh Gill | Train the Trainers on Examination Reforms | Dec 4-7 , 2020 |
| 2020 | Er. Ravinder Kaur | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Er. Ravinder Kaur | Two Weeks AICTE Sponsored FDP Under AQIS:Innovative Pedagogical Methodologies And Tools For Effective Learning In Engineering Education | 26th Oct to 7th Nov 2020 |
| 2020 | Er. Ravinder Kaur | Innovative Pedagogical Methodologies and Tools for Effective Learning in Engineering Education | 07-12-2020 to 21-12-2020 |
| 2020 | Er. Samreet Kaur | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Er. Samreet Kaur | IOT and advanced technologies in home and building automation, energy management and industries 4.0 | 1-4 th July 2020 |
| 2020 | Er. Samreet Kaur | Two Weeks AICTE Sponsored FDP Under AQIS:Innovative Pedagogical Methodologies And Tools For Effective Learning In Engineering Education | 26th Oct to 7th Nov 2020 |

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| 2020 | Er. Samreet Kaur | Innovative Pedagogical Methodologies and Tools for Effective Learning in Engineering Education | 07-12-2020 to 21-12-2020 |
| 2020 | Er. Bhawna | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Er. Bhawna | One Week FDP on "Recent Trends in Image Processing Techniques" | 30 th Dec2019- 3 rd Jan2020 |
| 2020 | Er. Bhawna | NPTEL Online Course on Electric Vehicles – Part 1 with 96% | Feb-Mar 2020 |
| 2020 | Er. Bhawna | Innovative Pedagogical Methodologies and Tools for Effective Learning in Engineering Education | 07-12-2020 to 21-12-2020 |
| 2020 | Er. Kuldeep Singh | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Er. Kuldeep Singh | Proficiency improvement programme on EV | 24-29 April,2020 |
| 2020 | Er. Kuldeep Singh | Fuzzy Logic and neural network approaches for Engineering Solution | May 3-4, 2020 |
| 2020 | Er. Karanbir Singh | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Er. Baljeet Singh | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Er. Baljeet Singh | MSME- Electric vehicle Charging | 12-Jan-20 |
| 2020 | Er. Baljeet Singh | Funding Scheme for institution to support start up and incubation Activities | 28-30 Dec,2020 |
| 2020 | Er. Amrinder Kaur | Faculty development Program on Energy Conservation and Management | April 27 to May 1' 2020 |
| 2020 | Er. Amrinder Kaur | Recent Trends in Image Processing Techniques | 30-12-2019 to 03-01-2020 |
| 2020 | Er. Amrinder Kaur | Electric Vehicles | Feb.-Mar. 2020 (4 week MOOC course) |
| 2020 | Er. Amrinder Kaur | Modes of Teaching and Learning in Lockdown | 11-05-2020 |
| 2020 | Er. Amrinder Kaur | Modeling and Simulation using MATLAB | 18-05-2020 to 22-05-2020 (One Week) |
| 2020 | Er. Amrinder Kaur | Management Skills for Professional Teacher Excellence | 25-05-2020 to 29-05-2020 (One Week) |
| 2020 | Er. Amrinder Kaur | Outcome Based Curriculum Design | 01-06-2020 to 05-06-2020 (One Week) |
| 2020 | Er. Amrinder Kaur | Innovative Pedagogical Methodologies and Tools for Effective Learning in Engineering Education | 07-12-2020 to 21-12-2020 |
| 2020 | Er.Arshdeep Kaur | STTC on PLC, drives and industrial automation | 2-6 th March, 2020 |
| 2020 | Er.Arshdeep Kaur | FDP on Energy Conservation and Management | 27 th April-1May,2020 |
| 2020 | Er.Arshdeep Kaur | Modes of teaching and learning in lockdown | 11 th May,2020 |
| 2020 | Er.Arshdeep Kaur | FDP on Digital Era of teaching | 11 -13 th May,2020 |
| 2020 | Er.Arshdeep Kaur | Micro grid: configuration, control, synchronization and | 25 th May,2020 |
| 2020 | Er.Arshdeep Kaur | Webinar, insights to industry 4.0 | 29 th May,2020 |
| 2020 | Er.Arshdeep Kaur | Power quality phenomenon and disturbances | 4 th June,2020 |
| 2020 | Er.Arshdeep Kaur | PV Solar validation and testing capabilities in India | 5 th June,2020 |
| 2020 | Er.Arshdeep Kaur | FDP on plagiarism free research report writing | 8 th June,2020 |
| 2020 | Er.Arshdeep Kaur | FDP on COVID- 19& beyond: The New Normal In At HEI's | 10 th June 2020 |
| 2020 | Er.Arshdeep Kaur | Webinar On COVID-19 An Occasion To Redefine Education | 12 th June 2020 |
| 2020 | Er.Arshdeep Kaur | '4' - Day Workshop on Optimum Approaches Towards IoT System Design | 22-25 th June, 2020 |
| 2020 | Er.Arshdeep Kaur | INDUSTRY 4.0 Trends in EE | 29 th June 2020 |
| 2020 | Er.Arshdeep Kaur | Power electronics converters for electric vehicle new generation low cost solutions | 24 th June, 2020 |
| 2020 | Er.Arshdeep Kaur | Webinar on IPR and Patent Filing | 2 nd July, 2020 |
| 2020 | Er.Arshdeep Kaur | IOT and advanced technologies in home and building automation, energy management and industries 4.0 | 1-4 th July 2020 |
| 2020 | Er.Arshdeep Kaur | Stress and Health Issues Due to COVID-19: Management and Technical Solutions | 6-10 th July, 2020. |
| 2020 | Er.Arshdeep Kaur | Women Safety, Rights and Gender Equality" | 9 th July, 2020 |
| 2020 | Er.Arshdeep Kaur | One day webinar on Swayam awareness workshop | 9 th July ,2020 |
| 2020 | Er.Arshdeep Kaur | Reviewing English at higher education | 10 th July,2020 |
| 2020 | Er.Arshdeep Kaur | Webinar on Data acquisition system solution of power sector | 27 th July,2020 |
| 2020 | Er.Arshdeep Kaur | Webinar on Transformation from chalk duster teacher to Digital teacher: Blended learning for New Tomorrow | 6 th Aug, 2020 |

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| 2020 | Er.Arshdeep Kaur | Webinar on " Artificial Intelligence models for Solar Energy Applications | 12 th Aug,2020. |
| 2020 | Er.Arshdeep Kaur | Electrical Engineering Yesterday Today & Tomorrow: The Key Areas Of Research" by Dr. D.P. Kothari (Ex-Director IITD) | 15 th Aug, 2020 |
| 2020 | Er.Arshdeep Kaur | FDP on use of LMS,virtual teaching and OBE software for engineering application | 20 th Aug,2020 |
| 2020 | Er.Arshdeep Kaur | Two Week Faculty Development Programme on "Digital Design and Emerging Trends in Signal Processing" | 10 th -22 th Aug ,2020 |
| 2020 | Er.Arshdeep Kaur | HIOKI test of solution of green energy | 27 th Aug,2020 |
| 2020 | Er.Arshdeep Kaur | FDP on use of LMS,virtual teaching and OBE software for engineering application | 3 rd Sept,2020 |
| 2020 | Er.Arshdeep Kaur | One-week Online Short Term Training Program (STTP) on "Recent Trends in Instrumentation Engineering" | 7 th – 11 th Sept,2020 |
| 2020 | Er.Arshdeep Kaur | Two Weeks AICTE Sponsored FDP Under AQIS:Innovative Pedagogical Methodologies And Tools For Effective Learning In Engineering Education | 6 th Oct to 7 th Nov 2020 |
| 2020 | Er.Arshdeep Kaur | Innovative Pedagogical Methodologies and Tools for Effective Learning in Engineering Education | 7 th to 21 st Dec.2020 |
| 2020 | Er.Arshdeep Kaur | Introduction to smart grid | 8 week course Sept-Dec |
| 2020 | Er. Gagandeep Kaur gill | Innovative Pedagogical Methodologies and Tools for Effective Learning in Engineering Education | 7 th to 21 st Dec.2020 |
| 2020 | Er. Gagandeep Kaur gill | STTC on PLC, drives and industrial automation | 2-6 th March, 2020 |
| 2020 | Er. Gagandeep Kaur gill | Modes of teaching and learning in lockdown | 11 th May,2020 |
| 2020 | Er. Gagandeep Kaur gill | FDP on Digital Era of teaching | 11 -13 th May,2020 |
| 2020 | Er. Gagandeep Kaur gill | Faculty development Program on Energy Conservation andManagement | April 27 to May 1' 2020 |
| 2020 | Er. Gagandeep Kaur gill | Modes of teaching and learning in lockdown | 11 th May,2020 |
| 2020 | Er. Gagandeep Kaur gill | FDP on Digital Era of teaching | 11 -13 th May,2020 |
| 2020 | Er. Gagandeep Kaur gill | Women Safety, Rights and Gender Equality" | 9 th July, 2020 |