



A brief report of inauguration ceremony (held on 19th June, 2017) of a 5-day faculty training programme on “Technical Training in Electrical Engineering and Electronics & Communication Engineering” being organized by Poornima Foundation from 19th June – 23rd June, 2017 at PCE, Jaipur

A 5-day faculty training programme on “Technical Training in Electrical Engineering” is being organized by Poornima Foundation from 19th June to 23rd June, 2017 at Poornima College of Engineering, Jaipur at CT05.

The training is being organized under PASSPORT 2K17 by Department of Electrical Engineering with focus of following outcomes:

1. Renewable energy integration and implications
2. Practical exposure to latest software like pv syst.
3. Industrial exposure to better understand the real applications of electrical engineering
4. Research exposure to convert their technical skill set into quality research

In this training programme 32 faculty members of Poornima Foundation have participated.

The inaugural ceremony was held on **19th June, 2017 (Monday)** from 8:15 AM to 9:00 AM in co-ordination with Department of ECE PCE Jaipur and Department of Mechanical Engineering in the presence of **Dr. Om Prakash Sharma, Director PCE**.

The inaugural ceremony began with the formal procedure of lamp lighting to seek the blessings of Goddess Saraswati.

Dr. Virendra Sangtani HoD-EE, PCE and **Dr. Garima Mathur, HoD-ECE, PCE** formally welcomed the dignitaries – **Dr. Om Prakash Sharma, Director PCE** along with distinguished participants from PF in his opening address. He gave the introduction to the training program with schedule and contents to be imparted in the training.

Dr. Om Prakash Sharma, Director PCE in his address emphasized upon the importance of learning new technologies and tools for faculty and the students. He gave the insight about different IBM training programmes being imitated at Poornima Foundation for the benefit of faculty members and students.

In the end **Dr. Himani Goyal Sharma, HoD-EE, PIET Jaipur** proposed the vote of thanks to all dignitaries present and the participants.

5-Day Training on Technical Training in Electrical Engineering
(19th June to 23rd June, 2017)

Q-Sheet of the Inaugural Ceremony on 19th June, 2017
(Monday)

Venue: CG 05, PCE Jaipur

Date: 19th June, 2017

Sr. No.	Activity	Time
1.	Reporting of participants and arrival of guests and seating in CG05	8:00 AM-8:15 AM
2.	Welcome of participants	8:15 AM – 8:25 AM
3.	Lighting of Lamp 1. Dr. Om Prakash Sharma, Director-PCE 2. Dr. Virendra Sangtani, HoD EE, PCE 3. Dr. Garima Mathur, HoD ECE, PCE 4. Dr. Himani Goyal Sharma, HoD EE, PIET 5. Mr. Manish Singhal, HoD ECE, PIET	8: 25 AM – 8:30 AM
4.	Formal welcome address by Dr. Om Prakash Sharma, Director-PCE.	8:30 AM – 8:50 AM
5.	Poornima Gaan followed by National Anthem	8:50 AM – 9:00 AM
6.	Commencement of training as per the schedule in respective Departments	9:00 AM onwards



5-Day Training on Technical Training in Electrical Engineering (19th June to 23rd June, 2017)

Detailed Day wise Training Schedule

Day 1 (19-06-2017)			Venue: CT 05, PCE
Sr. No.	Content/ Activity	Instructor/ Coordinator	Time
1	Reporting to inaugural place and welcome of participants	Dr. Virendra Sangtani and Dr. Garima Mathur	8:00 AM- 8:25 AM
2	Lightning of lamp and formal address	Dr. Om Prakash Sharma, Director - PCE	8:25 to 8:50 AM
3	Poornima Gaan and vote of Thanks	Dr. Himani Goyal	8:50 AM- 9:00 AM
3	latest trends in electrical transmission system and understanding of simulation process	Dr. M P Sharma, A. En. RVPN Jaipur	9:00 AM - 10:30 AM
4	Tea Break		10:30 AM- 10:45 AM
5	latest trends in electrical transmission system and understanding of simulation process	Dr. M P Sharma, A. En. RVPN Jaipur	10:45 AM- 12:15 PM
6	Feedback Session	Dr. Virendra Sangtani and Dr. Nandkishor Gupta	12:15 PM - 12:30 PM
Day 2 (20-06-2017)			Venue: CT 05, PCE
Sr. No	Content/ Activity	Instructor/ Coordinator	Time
1	Webinar on Practical Exposure on Electrical Engineering	Dr. Virendra Sangtani and Dr. Nandkishor Gupta	8:00 AM – 9:30 AM
2	Interdisciplinary research and recent areas of research in Electrical Engineering	Prof. Manoj Gupta, provost PU	9:30 AM- 10:30 AM
3	Tea Break		10:30 AM- 10:45 AM
4	Interdisciplinary research and recent areas of research in Electrical Engineering	Prof. Manoj Gupta, provost PU	10:45 AM- 12:15 PM
5	Feedback Session	Dr. Virendra Sangtani and Dr. Nandkishor Gupta	12:15 PM - 12:30 PM
Day 3 (21-06-2017)			Venue: CT 05, PCE
Sr. No	Content/ Activity	Instructor/ Coordinator	Time
1	Plc scada and PV syst by external agency and practical exposure	Mr. lokesh Tiwari Vision world Tech. jaipur	8:00 AM- 10:00 AM
2	Tea Break		10:00 AM- 10:15 AM

3	Plc scada and PV syst by external agency and practical exposure and hand hold practice on automation	Mr. lokesh Tiwari Vision world Tech. jaipur	10:15 AM- 12:15 PM
4	Feedback Session	Dr. Virendra Sangtani and Dr. Nandkishor Gupta	12:15 PM - 12:30 PM
Day 4 (22-06-2017)			Venue: CT 05, PCE
Sr. No	Content/ Activity	Instructor/ Coordinator	Time
1	latest trends in solar energy	Dr. N D Tiwari	8:00 AM- 9:00 AM
2	Matrix Converter	Dr. Virendra Sangtani	10:00 AM- 10:35 AM
3	Tea Break		10:35 AM-10:50 AM
4	Renewable Energy in Electrical Engineering	Prof. Ajay kumar bansal, Director PIET Jaipur	10:50 AM -12:15 AM
5	Feedback Session	Dr. Virendra Sangtani and Dr. Nandkishor Gupta	12:15 PM - 12:30 PM
Day 5 (23-06-2017)			Venue: IBM Lab,
Sr. No	Content/ Activity	Instructor/ Coordinator	Time
1	How to convert technical set into a quality research	Prof. Mahesh bundele, Dean research pu	8:00 AM- 9:30 AM
2	Tea Break		9:30 AM- 9:45 AM
3	Visit to PU Campus for solar installation and Project Exhibition	Dr. Virendra Sangtani and Dr. Nandkishor Gupta Mr. Ashish Raj PU Jaipur	09:45 AM- 12:00 Noon
4	Feedback and Valedictory Session	Dr. Virendra Sangtani and Dr. Nandkishor Gupta	12:00 Noon - 12:30 PM

Note:

Each day includes a video recording session, which involves recording of small video for each expert session.

The detailed report of training is as follows:

The Faculty Training Program inaugurated by Dr. O. P. Sharma, Director PCE Jaipur on 19-06-2017. After inauguration the programme was started at CT-05, Department of Electrical Engineering, PCE Jaipur with an objective of improving following skill set of faculty members:

1. Renewable energy integration and implications
2. Practical exposure to latest software like PLC SCADA
3. Industrial exposure to better understand the real applications of electrical engineering
4. Research exposure to convert their technical skill set into quality research

At day 1 (19-6-2017) Dr. M. P. Sharma, A. En. Rajasthan Rajya Vidyut Prasaran Nigam Ltd. Jaipur is invited for Industrial exposure to better understand the real applications of electrical engineering. Dr. Sharma gave the idea for working in electrical industry on live problems. He initiated some live examples of real problems of electrical industry. Further he demonstrated the simulation and design process of transmission line.

At day 2 (20-6-2017) in first session a webinar on harmonic analysis in electrical system is given in form of video lecture where faculty member learnt about harmonics, available harmonic tools for harmonic analysis. In second session Interdisciplinary research and recent areas of research in Electrical Engineering is discussed by Dr. Manoj Gupta, Provost Poornima University, Jaipur. He explained various intra-discipline technologies to find their research interest.

At day 3 (21-6-2017) in first session a lecture on PLC SCADA and Automation was given by Mr. Lokesh Tiwari, Technical consultant, vision world Tech, Jaipur. He has explained different elements used in automation and how automation is useful in electrical industry. Further in session II the hand holding of PLC and SCADA is taken by Mr. Lokesh Tiwari in Lab where he demonstrated different PLC and SCADA development Techniques.

At day 4 (22-6-2017) in first session a technical session on Solar Energy trends is given by Prof. N. D. Tiwari, PCE Jaipur, where faculty member learnt about solar PV system and different MPPT algorithms for solar PV system. Further he analyze the solar cell requirement for generation of power. In session 2 Matrix converter is discussed by Prof. virendra sangtani, HoD EE PCE Jaipur. He has given the idea of developing Matrix converter switching techniques from the different available combinations. At the end session III was delivered by Prof. Ajay Kumar Bansal, Director PIET Jaipur on renewable power and importance of circuit analysis. The handholding of circuit analysis problems was taken in very interesting mode and further faculty member learnt about renewable energy and its scope into electrical energy.

At day 5 (23-6-2017) in first session the research paper writing skills are delivered by Prof. Mahesh Bundele, Dean Research Poornima University Jaipur. He has discussed the idea to write a good review paper and further the research is converted to good quality paper. In session II the visit to Poornima University is organized by coordinators for their project exhibition and solar power plant visit installed at rooftop of Poornima University. At last valedictory with feedback session is completed.



Note: Each day includes a video recording session, which involves recording of small video for each expert session.

The regular attendance and complete sheet of sessions with assignment is attached herewith as Annexure I and Annexure II. A grading for faculty member performance is also prepared and attached as Annexure-III.

Dr. Virendra Sangtani and Dr. Nandkishor Gupta
Training Coordinators

Annexure I

**Poornima Group of Colleges, Jaipur
PASSPORT- 2017**

Technical Training Program for Faculty Members of Electrical Engineering From 19th June, 2017 to 23rd June, 2017

Venue: CT-05, EED, PCE CAMPUS

S. No.	Employee code	Name of Faculty	institute	contact	E mail	19-6-2017	20-6-2017	21-6-2017	22-6-2017	23-6-2017	
1	5432	RAVI SHANKAR SINGH	PCE	9915604737	ravi.shankar@poornima.org	ABSENT DUE TO HEALTH ISSUE					
2	1810	DEEPIKA CHAUHAN	PCE	9252605292	deepika.chauhan@poornima.org	P	P	P	P	P	
3	4126	Amba Lal Mathur	PCE	9468955658	ambalal.mathur@poornima.org	P	P	P	P	P	
4	3027	Rajendra Singh	PCE	9414636143	rajendra.singh@poornima.org	P	P	P	P	P	
5	3881	Udit Mamodiya	PCE	9694802324	udit.mamodiya@poornima.org	P	P	P	P	P	
6	3863	Vikash Kumar Saini	PCE	9251282711	vikash.saini@poornima.org	P	ABSENT PH.D. EXAM AT MNIT (20-6-17)	P	ABSENT PH.D. EXAM AT MNIT (22-6-17)	P	
7	4395	Gaurav Srivastava	PCE	8765040243	gaurav.srivastava@poornima.org	P	ABSENT Due to mother illness				
8	1160	Mohammad Asif Iqbal	PCE	8104625866	asif@poornima.org	ABSENT PH.D. EXAM AT MNIT (19-6-17)	P	P	P	P	
9	5352	SWETA SINGH	PCE	9576495599	sweta.singh@poornima.org	ABSENT PH.D. EXAM AT MNIT (19-6-17)	P	P	P	P	
10	5368	BHUWAN PRATAP SINGH	PCE	9411801119	bhuwan.singh@poornima.org	P	P	P	P	P	
11	1443	Harbeer Singh	PCE	9414337558	harbeer@poornima.org	P	P	ABSENT due to planned Leave	P	P	
12	3015	Dinesh Kumar Sharma	PCE	7665617050	dineshksharma@poornima.org	P	P	P	P	P	
13	4920	Sangeeta Debbarman	PIET	8981150791	sangeeta.debbarman@poornima.org	P	P	P	P	P	
14	5004	Nandkishor Gupta	PIET	9887954557	nand.kishore@poornima.org	P	P	P	P	P	
15	5266	Himani Goyal Sharma	PIET	9676974176	himani.goyal@poornima.org	P	P	P	P	P	
16	5430	KRISHANKANT KATARA	PCE	7412995895	krishankant.katara@poornima.org	P	P	P	P	P	
17	5476	RICHA SINGH	PCE	9962409787	richa.eee@poornima.org	ABSENT	P	P	ABSENT PH.D. EXAM AT MNIT (22-6-17)	P	
18	5559	Ajay Kumar Maurya	PCE	9458702521	ajay.maurya@poornima.org	P	P	P	P	P	
19	3187	Anil Pratap Singh	PCE	8386972798	anil.singh@poornima.org	ABSENT Due to DUTY AT ADMISSION CELL					
20	3861	Ankita Bhatia	PCE	9024545369	ankita.bhatia@poornima.org	P	P	P	P	P	
21	3839	Dharmendra Kumar Bansal	PCE	9785221209	bansal.dharmendra@poornima.org	P	P	P	P	P	
22	4301	Shital R. Shegokar	PCE	8007940400	shital.shegokar@poornima.org	P	P	P	P	P	
23	4954	Devendra Singh	PCE	7088170504	devendra.singh@poornima.org	ABSENT Due to MARRIAGE AT HOME					
24	4922	Pravin Kumar	PCE	7568516198	pravin.kumar@poornima.org	ABSENT Due to ENGAGEMENT			P	P	P
25	5099	Raksha Goyal	PCE	9694268442	raksha.goyal@poornima.org	P	P	P	P	P	
26	5354	KUSHALDEEP SHARMA	PCE	9460617966	kushal.deep@poornima.org	P	P	P	P	P	
27	2286	Virendra Swaroop Sangta	PCE	9799884938	virendra.sangtani@poornima.org	P	P	P	P	P	
28	3208	Manish Sharma	PCE	9460189614	manish.sharma@poornima.org	ABSENT SHIFTED TO ECE FOR TRAINING					
29	1124	Brijraj Singh Solanki	PCE	9829533943	brijraj@poornima.org	P	P	P	P	P	
30	4552	Praveen Kumar Agrawal	PIET	9414341149	praveen.kumar@poornima.org	P	P	P	P	P	
31	4577	Atul Sharma	PIET	9829605797	atul.sharma@poornima.org	P	P	P	P	P	
32	6606	CHETAN KHEMRAJ	PCE	9958737837	chetan.khemraj@poornima.org	P	P	P	P	P	
TOTAL PRESENT						24	25	26	25	27	

Annexure II

Poornima Group of Colleges, Jaipur PASSPORT- 2K17

Technical Training Program for Faculty Members of Electrical Engineering From 19-06-2017 to 23-06-2017

Day and Date	Session No	Content/Activity	Name of Expert	location	Mode of delivery	Time	no of participants	Assignment given
Monday, 19-06-2017	1	Inaugural Ceremony	Dr. O P Sharma, Director PCE	CG05		8:00 AM to 9:00	24	Q.1. Enumerate the analysis of load flow study in problem. Q.2. Enumerate the various load flow studies under all eight cases. Q.3. Discuss the effect of swing bus loading and power factor in all eight cases? Q.4. Write down brief note for reduction of transmission losses.
	2	Latest trends in electrical transmission system and understanding of simulation process	Dr. M P Sharma, A. En. RVPN Jaipur	CT05	PPT	9:00 AM to 12:30 PM	24	
Tuesday, 20-06-2017	1	Webinar on Practical Exposure on Electrical Engineering	Dr. Virendra Sangtani and Dr. Nandkishor Gupta	CT05	VIDEO	8:00 AM – 9:30 AM	25	Q.1. Enumerate the outcome of today's webinar on Harmonic analysis of distorted waveforms. Q.2. Write about one lab experiment which can be made interdisciplinary in nature by including tool/ technique/ concept etc of other branch. Q.3. Write three topics for carrying research in Electrical Engineering which are interdisciplinary in nature?
	2	Interdisciplinary research and recent areas of research in Electrical Engineering	Prof. Manoj Gupta, provost PU	CT05	PPT	9:30 AM-12:30PM	25	
Wednesday, 21-06-2017	1	Plc scada and PV syst by external agency and practical exposure	Mr. lokesh Tiwari	CT05	PPT	8:00 AM – 9:30 AM	26	Q.1. Enumerate the outcome of today's automation training. Q.2. What is automation? Explain different types of automation with examples. Q.3. Explain automation industry components. Q.4. How SCADA is being used as automation tool, explain?
	2			CT20	Lab Session	9:30 AM-12:30PM	26	
Thursday, 22-06-2017	1	latest trends in solar energy	Dr. N D Tiwari	CT05	PPT	8:00 AM to 9:00 AM	25	Q.1. Enumerate the outcome of today's automation training. Q.2. Give the Brief description of solar cells presents in the market with technical aspects. Q.3. How tracking system is useful in present static solar power plants. Q.4. What are the methods, used to improve the efficiency of solar power plants? Q.5. What is MPPT? And explain the different types of algorithms presently use in MPPT charge controller. Q. 6. Explain matrix converter in detail.
	2	Matrix Converter	Dr. Virendra Sangtani	CT05	PPT	9:00 AM to 10:30 AM	25	
	3	Renewable Energy in Electrical Engineering	Prof. Ajay kumar bansal, Director PIET Jaipur	CT05	PPT	10:45 AM to 12:30 PM	25	
Friday, 23-06-2017	1	How to convert technical set into a quality research	Prof. Mahesh bundele, Dean research PU	CT05	PPT	8:00 AM to 9:30 AM	27	Q.1. Enumerate the outcome of today's training. Q.2. Discuss the essentials of writing a good research paper. Q.3. Discuss the structure of a good research paper.
	2	Visit to PU Campus for solar installation and Project Exhibition	Dr. Virendra Sangtani and Dr. Nandkishor Gupta Mr. Ashish Raj PU Jaipur	PU Jaipur	visit	9:45 AM to 12:30 PM	27	