



Narula Institute of Technology

81, Nilgunj Road, Agarpara, Kolkata-700109

Supporting Documents

Criteria: 6.3.3



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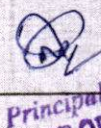
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1	Annual Report (2019-2020)	https://www.nit.ac.in/pdf/Annual_Report_19-20.pdf
2	Annual Report (2018-2019)	https://www.nit.ac.in/pdf/Annual_Report_18-19.pdf
3	Annual Report (2017-2018)	https://www.nit.ac.in/pdf/Annual_Report_17-18.pdf
4	Annual Report (2016-2017)	https://www.nit.ac.in/pdf/Annual_Report_2016_17.pdf
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Professional Development Program

Like every year in academic year 2019 – 2020, Narula Institute of Technology has organised multiple numbers of different types of programmes like Faculty Development Programmes (FDP), Workshops, Hands on Session, Short Term Training Programme (STTP), Short Term Course, Staff Development Programme (SDP), Conference, Webinars, and Industrial Seminar. This year total 37 number of Workshops have been organised by Institute and collectively more than 2307 participants have taken active participation. 4 STTPs have also been arranged with average 50 numbers of participants were present. 9 numbers of FDPs have been organised by Institute where internal faculties from different department as well as faculty members from other colleges also taken active participation. Overall 647 participants including many renowned delegates have made these FDPs successful. Narula Institute of Technology has also arranged 1 Hands on sessions, 2 SDPs have also been organised for staff members of the Institute. 1 National Conference and 1 international conference have been organised in this academic year where many participants have taken active participation. Moreover many National and International renowned delegates made these programmes successful. 2 Industrial Seminar has been organised at Institute on 800kV UHV Transmission in the month of September, 2019. Moreover 2 Webinars and 1 weeklong webinar have been arranged and conducted successfully in this academic year.

Type of program	Title	Organized by	Dates	No of participants
Workshop	International Online Workshop on "Implementation of Machine Learning, TensorFlow using Python and Interfacing IoT Devices	Narula Intitute of Technology	25-06-2020 - 30-06-2020	15
	A Workshop on " Awareness of Internships in VLSI"	Narula Intitute of Technology	05-06-2020 - 06-06-2020	25
	Two days workshop on "Health Assessment of Bridges"	Narula Intitute of Technology	18-05-2020 - 19-05-2020	39
	One day Workshop on "Machine Language using Python"	Narula Intitute of Technology	16-05-2020	30
	Online Workshop on 4G- Broadband on mobile communication	Narula Intitute of Technology	15-05-2020 - 16-05-2020	45
	Webinar on "Industry 4.0 and Entrepreneurship: Today's Perspective"	Narula Intitute of Technology	14-05-2020	92
	One day Workshop on "Fundamentals of C Programming"	Narula Intitute of Technology	30-04-2020	30
	Workshop on A series on Excel quick start tutorial	Narula Intitute of Technology	22-04-2020 - 26-04-2020	37
	Webinar session on Entrepreneurship and Innovation as Career Opportunity	Narula Intitute of Technology	18-04-2020	90
	Two days workshop on "Concepts of Advance RCC Design"	Narula Intitute of Technology	14-04-2020 - 15-04-2020	39
	Workshop on Andrioid Development using Andriod Studio	Narula Intitute of Technology	14-04-2020	36
	One day Workshop on "Ethical Hacking"	Narula Intitute of Technology	08-04-2020	30


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Workshop on Ethical Hacking & Penetration Testing with Kali Linux	Narula Intitute of Technology	07-04-2020	35
Online Workshop on Ethical Hacking and Penetration Testing with Kali LINUX	Narula Intitute of Technology	07-04-2020 - 08-04-2020	40
Two Days Workshop on "Electric Vehicle Technology"	Narula Intitute of Technology	03-03-2020 - 04-03-2020	62
One day Workshop on "Introduction to Python Programming"	Narula Intitute of Technology	15-02-2020	30
Workshop on Machine Learning : Clustering & Retrieval	Narula Intitute of Technology	06-02-2020 - 07-02-2020	36
Two days Workshop on "Basic concepts on Design of RC Structure"	Narula Intitute of Technology	05-02-2020 - 06-02-2020	39
Workshop on Role of 21st Century Skills in Effective Online Teaching	Narula Intitute of Technology	15-01-2020 - 16-01-2020	45
One weeks Workshop on " Embedded System, WES 2020"	Narula Intitute of Technology	06-01-2020 - 13-01-2020	60
Workshop on Data Analytics using R	Narula Intitute of Technology	21-12-2019 - 22-12-2019	40
Two Days workshop on "SUSTAINABLE CITY"	Narula Intitute of Technology	02-12-2019 - 03-12-2019	50
Workshop on Python	Narula Intitute of Technology	18-11-2019	35
Two Days workshop on "Structural Detailing Using TEKLA Software(II)"	Narula Intitute of Technology	11-09-2019 - 12-09-2019	37
Two Days workshop on "Structural Detailing Using TEKLA Software"	Narula Intitute of Technology	04-09-2019 - 05-09-2019	37
A workshop training for "Solar Technology & E-CAD".	Narula Intitute of Technology	24-09-2019 - 27-09-2019	20
workshop on POWER SYSTEM ANALYSIS-USING ETAP	Narula Intitute of Technology	29-02-2016-02-02-2016	41
Two Days workshop on "Advance Construction Techniques"	Narula Intitute of Technology	12-08-2019 - 13-08-2019	40
Workshop on PHP, Android & Python	Narula Intitute of Technology	26-08-2019 - 30-08-2019	35
Workshop on Advanced Programming in C/C++	Narula Intitute of Technology	21-08-2019 - 22-08-2019	37
Two Day National Workshop on "CNC Machining" at NiT	Narula Intitute of Technology	30-08-2019 - 31-08-2019	49
WORKSHOP ON "APPLICATIONS OF PSPICE ON POWER SYSTEMS"	Narula Intitute of Technology	26-08-2019 - 30-08-2019	20
Workshop on "Basic Industrial training tool"	Narula Intitute of Technology	08-07-2019 - 26-07-2019	45
Workshop on "Solar Technology & Matlab", Phase II	Narula Intitute of Technology	29-07-2019 - 31-07-2019	21
Workshop on Cloud computing	Narula Intitute of Technology	15-07-2019	30
Workshop on "Solar Technology & Matlab"	Narula Intitute of Technology	15-07-2019 - 17-07-2019	21
Workshop on Quantum Computing: from Basics to the Cutting Edge Specialization	Narula Intitute of Technology	08-07-2019 - 09-07-2019	36

STTP	One Week AICTE Sponsored Short Term Training Programme on Recent Trends in Internet of Things (IoT) and Embedded System Based Monitoring and Control of Distributed Generation PHASE -III	Narula Intitute of Technology	20-07-2020 - 25-07-2020	51
	AICTE sponsored STTP Phase2 AICTE Sponsored Short Term Training Programme onRecent Trends in Internet of Things (IoT) and Embedded System Based Monitoring and Control of Distributed Generation	Narula Intitute of Technology	18-05-2020 - 23-05-2020	52
	AICTE Sponsored Short Term Training Programme on“Recent Trends in Internet of Things (IoT) and Embedded System Based Monitoring and Control of Distributed Generation” for Phase I	Narula Intitute of Technology	13-04-2020 - 18-04-2020	50
	AICTE Sponsored one week STTP on "SUSTAINABLE DEVELOPMENTON CIVIL ENGINEERING ARRAY"	Narula Intitute of Technology	13-01-2020 - 18-01-2020	51
FDP	One Week Faculty Development Program on Research and Technical Challenges in Energy and Power System (RTCEPS 2020)	Narula Intitute of Technology	29-06-2020 - 04-07-2020	43
	Online Faculty Development Program on "Signal, Image and Video Processing (SIVP 2020)" through zoom.	Narula Intitute of Technology	23-06-2020 - 27-06-2020	60
	One week FDP on Multidisciplinary trends in Science and Technology for Sustainable development (A post COVID 19 perspective)	Narula Intitute of Technology	22-06-2020 - 27-06-2020	40
	A Online FDP "Role of Engineers in Make in India"	Narula Intitute of Technology	11-05-2020 - 15-05-2020	41
	One Week FDP on Tribological Properties of Materials- Research Aspects	Narula Intitute of Technology	13-04-2020 - 17-04-2020	40
	Faculty Development Program on Moodle Learning Management System	Narula Intitute of Technology	1/1/2020	13
	Faculty Development Program on Latex	Narula Intitute of Technology	1/1/2020	13
	One week Faculty Development Program on & quot; Advancement in Computer Aided Engineering: An Application Design using CATIA	Narula Intitute of Technology	16-09-2019 - 20-09-2019	108
	Faculty Development Program on Fluid Power Control System (Hydraulic and Pneumatic)	Narula Intitute of Technology	01-07-2019 - 06-07-2019	40
Hands on training	Three Days hands on training on ON "BUILDING INFORMATION MODELLING (BIM) USING REVIT SOFTWARE"	Narula Intitute of Technology	04-11-2019 - 06-11-2019	36
SDP	One Week Staff Development Program on "Technical Skill Grooming and the Art of Living"	Narula Intitute of Technology	13-07-2020 - 17-07-2020	40
Conference	International Conference on "Future Trends and Technological Advancement in Engineering- 2020"	Narula Intitute of Technology	31-01-2020 - 01-02-2020	120
	National Conference on Environmental sustainability, water resource and management (ESWRM 2k19)	Narula Intitute of Technology	08-11-2019 - 09-11-2019	60

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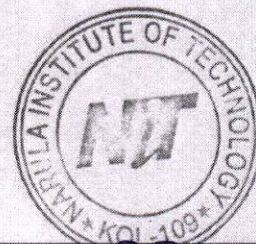
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Professional Development Program

In academic year 2018 – 2019, Narula Institute of Technology has organised different types of programmes like Workshops, Faculty Development Programmes (FDP), Short Term Training Programme (STTP), Staff Development Programme, and National Conference. This year total 41 number of Workshops have been organised by Institute and collectively more than 2140 participants have taken active participation. 6 numbers of FDPs have been organised by Institute where internal faculties from different department as well as faculty members from other colleges also taken active participation. Overall 308 participants including many renowned delegates have made these FDPs successful. 1 National Conference has been organised in this academic year where 70 participants have taken active participation. Moreover many renowned delegates made these programmes successful. 1 STTP has also been arranged with 50 numbers of participants in the month of February. 1 SDP has also been organised for staff members of the Institute in the month of July with 60 numbers of active participants.

Type of program	Title	Organized by	Duration	No of participants
Workshop	Workshop on Data Mining and Data Warehousing	Narula Intitute of Technology	08-06-2019 - 09-06-2019	40
	3 days workshop on Python fundamentals: series III	Narula Intitute of Technology	11-06-2019 - 13-06-2019	25
	Workshop On Innovative Project Development	Narula Intitute of Technology	01-05-2019 - 05-05-2019	40
	3 days workshop on Python fundamentals: series II	Narula Intitute of Technology	06-05-2019 - 08-05-2019	25
	Workshop on Java Programming: Principles of Software Design	Narula Intitute of Technology	04-05-2019-05-05-2019	43
	3 days workshop on Python fundamentals: series I	Narula Intitute of Technology	01-04-2019 - 03-04-2019	25
	Three days workshop on "PRECAST AND PREFABRICATED BUILDINGS"	Narula Intitute of Technology	23-04-2019 - 25-04-2019	47
	Workshop on Blockchain Technology & Its Application	Narula Intitute of Technology	08-04-2019 - 09-04-2019	45
	Three Days Workshop on "CNC Machining Technology & Practices"	Narula Intitute of Technology	24-04-2019 -26-04-2019	28
	Two Days Workshop on "Advancement in Concrete Treatment"	Narula Intitute of Technology	22-03-2019 - 23-03-2019	50
	Workshop on IT security	Narula Intitute of Technology	20-03-2019	25
	Two Days Workshop on "Philosophy of Machine Design"	Narula Intitute of Technology	06-03-2019 - 07-03-2019	60
	Workshop On Innovative Project Development	Narula Intitute of Technology	01-03-2019 - 05-03-2019	60
	Workshop on Machine Learning & Its application	Narula Intitute of Technology	07-02-2019 - 08-02-2019	46


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One day Workshop on "Artificial Intelligence"	Narula Intitute of Technology	09-02-2019	30
Workshop on Social Network Analysis using Bigdata in Cloud	Narula Intitute of Technology	16-01-2019 - 17-01-2019	45
Two Days Workshop on "Conceptual Understanding of Heat Transfer"	Narula Intitute of Technology	11-01-2019 - 12-01-2019	42
Two weeks workshop on "Basic Circuit Design and Industrial Design Tools"	Narula Intitute of Technology	07-01-2019 - 18-01-2019	27
3 days programme on Application of Matlab for Engineering , Science, and Research	Narula Intitute of Technology	20-12-2018 - 22-12-2018	42
Two Days workshop on "Domestic Wastewater Treatment Potential through Constructed Wetland System"	Narula Intitute of Technology	28-11-2018 - 29-11-2018	47
Two Days Workshop on "Recent Trends in Robotics & Automation"	Narula Intitute of Technology	15-11-2018 - 16-11-2018	50
Workshop on Big Data Analytics using HADOOP	Narula Intitute of Technology	04-11-2018 - 5-11-2018	45
Workshop on Android Application Development	Narula Intitute of Technology	01-11-2018 - 02-11-2018	36
Workshop on Data Science	Narula Intitute of Technology	09-10-2018	30
Workshop on Data Science & Machine Learning	Narula Intitute of Technology	04-10-2018 - 11-10-2018	36
2 days Workshop on "MEMS System Design"	Narula Intitute of Technology	01-10-2018 - 03-10-2018	25
2 days Workshop on Power System Protection Technology	Narula Intitute of Technology	28-09-2018 - 29-09-2018	42
5 Days workshop on "Design and construction of anti-washout underwater concrete"	Narula Intitute of Technology	16-04-2018 - 20-04-2018	45
Three days workshop on "Advanced Technology in Sewage Treatment & Nutrient Removal"	Narula Intitute of Technology	05-09-2018 - 07-09-2018	45
One day Workshop on "Bigdata"	Narula Intitute of Technology	30-08-2018	30
Workshop on Building Web Application with PHP	Narula Intitute of Technology	22-08-2018 - 23-08-2018	37
Two Days Workshop on "Earthquake Resistance Structure"	Narula Intitute of Technology	20-08-2018 - 21-08-2018	47
Workshop on "RECENT TRENDS ON AUTOMATION"	Narula Intitute of Technology	18-08-2018 - 22-08-2018	50


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	3 days workshop on Hazard Evaluation of Stored Capacitor Energy	Narula Intitute of Technology	16-08-2018 - 18-08-2018	42
	2 days Workshop on SCILAB	Narula Intitute of Technology	09-08-2018 - 11-08-2018	25
	Workshop on Deep Learning and Neural Network using Python	Narula Intitute of Technology	12-07-2018 - 13-07-2018	40
	Two Days Workshop on "Foundry Practices"	Narula Intitute of Technology	12-07-2018 - 13-07-2018	42
	Industrial Design Tools: AutoCAD, MATLAB, LabVIEW	Narula Intitute of Technology	03-07-2018 - 13-07-2018	114
	Workshop on Soft Computing Techniques & Robotics	Narula Intitute of Technology	09-07-2018 - 10-07-2018	36
	Workshop on Cloud Computing with AWS	Narula Intitute of Technology	24-07-2018 - 25-07-2018	37
	Workshop on Industrial Design Tools: AutoCAD, MATLAB, LabVIEW	Narula Intitute of Technology	03-07-2018 - 13-07-2018	34
FDP	Faculty Development Program on Artificial Intelligence	Narula Intitute of Technology	07-05-2019 - 11-05-2019	48
	Faculty Development Program on Cloud Computing & Its Security	Narula Intitute of Technology	03-04-2019 - 07-04-2019	40
	One week FDP on Python	Narula Intitute of Technology	11-03-2019 - 15-03-2019	22
	FDP on "Energy Internet" using blockchain technology	Narula Intitute of Technology	28-01-2019 - 02-02-2019	35
	One week FDP on Recent trends in Automation	Narula Intitute of Technology	18-08-2018 - 22-08-2018	51
	One Week FDP on "Modelling, Simulation & Optimization technique of Manufacturing"	Narula Intitute of Technology	10-09-2018 - 15-09-2018	41
Conference	2nd National Conference on Science, Technology and Communication Skills (NCSTCS 2K19)	Narula Intitute of Technology	05-04-2019	70
	The 2nd International Conference on Computational Advancement in Communication Circuit and System (ICCACCS 2018)	Narula Intitute of Technology	23-11-2018 - 24-11-2018	55
STTP	One week STTP on "Civil Engineering: Today and Tomorrow"	Narula Intitute of Technology	04-02-2019 - 08-02-2019	47
SDP	One week Staff Development Programme on Interpersonal and Computational Skills	Narula Intitute of Technology	20-07-2018 - 26-07-2018	60

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Conclusion




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Professional Development Program

In academic year 2017 – 2018, Narula Institute of Technology has organised different types of programmes like Faculty Development Programmes (FDP), Workshops, Short Term Training Programme (STTP), Conference. 9 numbers of FDPs have been organised by Institute where internal faculties from different department as well as faculty members from other colleges also taken active participation. Overall 525 participants including many renowned delegates have made these FDPs successful. This year total 39 number of Workshops have been organised by Institute and collectively more than 2293 participants have taken active participation. 2 STTPs have also been arranged with average 40 numbers of participants were present. 1 National Conference has been organised in this academic year where 80 participants have taken active participation. Moreover many renowned delegates made this programme successful.

Type of program	Title	Organized by	Duration	No of participants
FDP	One Week Faculty Development Programme On Higher Education Faculty Career Orientation and Advancement from 18th -22nd June, 2018	Narula Intitute of Technology	18-06-2018 - 22-06-2018	104
	Faculty Development Program on Research Methodology	Narula Intitute of Technology	14-05-2018 - 18-05-2018	37
	One Week FDP on "Finite Element Analysis & Computational Fluid Dynamics"	Narula Intitute of Technology	02-01-2018 - 06-01-2018	43
	AICTE sponsored FACULTY DEVELOPMENT PROGRAMME (FDP) On "Recent Developments in Artificial Intelligence & Robotics"	Narula Intitute of Technology	03-01-2018 - 13-01-2018	60
	RECENT ADVANCEMENT IN ELECTRONICS & INSTRUMENTATION ENGINEERING & ITS FUTURE PROSPECTS	Narula Intitute of Technology	23-04-2018 - 27-04-2018	55
	"AUTOCAD and practice on P&ID"	Narula Intitute of Technology	12-02-2018 - 16-02-2018	40
	Faculty Development Program on Network Security & Cyber Crime	Narula Intitute of Technology	21-11-2017 - 25-11-2017	45
	FDP on Speed control of AC drives using Microprocessor based Pulse Width Modulated Inverter	Narula Intitute of Technology	12-11-2017 - 17-11-2017	40
	One Week FDP on "Challenges And Opportunities In Indian Power Scenario"	Narula Intitute of Technology	07-08-2017 - 12-08-2017	34
Workshop	ONE DAY WORKSHOP ON "TIME AND STRESS MANAGEMENT"	Narula Intitute of Technology	19-06-2018	44
	ONE DAY WORKSHOP ON "TIME AND STRESS MANAGEMENT"	Narula Intitute of Technology	19-06-2018	44
	Workshop on Netowrk security	Narula Intitute of Technology	03-05-2018	30
	Two Days Workshop on "Construction Materials & Concrete Technology Testing"	Narula Intitute of Technology	14-05-2018 - 15-05-2018	45


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Two Days Workshop on Advancement of Industrial Automation	Narula Intitute of Technology	14-05-2018 - 15-05-2018	43
Workshop on Innovation and Opportunities in Digital Era	Narula Intitute of Technology	26-04-2018 - 27-04-2018	40
Workshop on Big Data Analytics and Its Application	Narula Intitute of Technology	10-04-2018 - 11-04-2018	36
Workshop on Open Source Software Development, Linux and Git	Narula Intitute of Technology	06-04-2018 - 07-04-2018	36
Two days workshop on "Cross draining works of road construction like minor bridge and culvert"	Narula Intitute of Technology	24-09-2018 - 25-09-2018	47
Workshop on "ARM, PIC Microcontroller & Related Software"	Narula Intitute of Technology	22-03-2018 - 24-03-2018	62
One day Workshop on "Data Analytics with R Programming"	Narula Intitute of Technology	21-03-2018	30
A worksop on "Latest trends of engineering and its applications with future prospects in study abroad education"	Narula Intitute of Technology	07-03-2018 - 10-03-2018	32
Two days workshop on AutoCAD and CATIA	Narula Intitute of Technology	23-03-2018 - 24-03-2018	52
Workshop on Internet of Things (IOT) using AWS	Narula Intitute of Technology	16-02-2018 - 17-02-2018	45
Two Days Workshop on "3D Printing Technology".	Narula Intitute of Technology	26-02-2018 - 27-02-2018	42
Two Days workshop titled "Recent Trends in Manufacturing: Materials Perspective".	Narula Intitute of Technology	9-02-2018 - 10-02-2018	40
Workshop on Python	Narula Intitute of Technology	05-02-2018 - 06-02-2018	38
Two days workshop on "Design of Concrete Structures"	Narula Intitute of Technology	08-01-2018 - 09-01-2018	50
One day Workshop on "IoT and Cyber Security"	Narula Intitute of Technology	18-01-2018	30
Industrial Worshop on "IOT & Cyber Security"	Narula Intitute of Technology	17-01-2018	97
"Modern Trends in Industrial Automation & Control"	Narula Intitute of Technology	15-01-2018 - 19-01-2018	34
TECHNICAL TRAINING WORKSHOP ON INDUSTRIAL AUTOMATION (SCADA & PLC)	Narula Intitute of Technology	03-09-2017 - 05-09-2017	55
TECHNICAL TRAINING WORKSHOP ON INDUSTRIAL AUTOMATION (SCADA & PLC)	Narula Intitute of Technology	04-09-2017 - 06-09-2017	30
Workshop on Big data	Narula Intitute of Technology	22-11-2017	25
Workshop on Efficient Energy Utilization through Demand Side Management	Narula Intitute of Technology	02-11-2017 - 03-11-2017	34


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	3 DAYS workshop on "OPPORTUNITIES IN EMERGING AREAS OF ELECTRICAL ENGINEERING"	Narula Intitute of Technology	03-10-2017 - 05-10-2017	20
	One day Workshop on "Data Analytics with R Programming"	Narula Intitute of Technology	16-09-2017	31
	Two days workshop on "Design of Steel Structures"	Narula Intitute of Technology	21-09-2017 - 22-09-2017	50
	Workshop on Data Science using Python	Narula Intitute of Technology	09-09-2017 - 10-09-2017	40
	Two days workshop on "Renewable energy like Solar light"	Narula Intitute of Technology	04-09-2017 - 05-09-2017	62
	2 days workshop on "Absolute beginners Circuit for Demonstration of Electronics"	Narula Intitute of Technology	24-08-2017 - 26-08-2017	30
	A workshop on "Robotics,Artificial Intelligence and Application of these in Industrial Automation Segment"	Narula Intitute of Technology	14-08-2017 - 19-08-2017	60
	Workshop on Programming in C/C++	Narula Intitute of Technology	10-08-2017 - 11-08-2017	37
	Two Days workshop on "Non Destructive Testing Methods"	Narula Intitute of Technology	28-08-2017 - 29-08-2017	52
	2days workshop on "Hands-On VLSI CAD Tools"	Narula Intitute of Technology	24-08-2017 - 26-08-2017	20
	Two Days workshop on "Recent Advancemnt of Machining & Grinding Technology"	Narula Intitute of Technology	10-07-2017 - 11-07-2017	48
	Workshop on Python	Narula Intitute of Technology	25-07-2017 - 28-07-2017	45
	Workshop on Machine Learning in Data Science	Narula Intitute of Technology	25-07-2017 - 28-07-2017	45
	Workshop on Python Data Structures	Narula Intitute of Technology	11-07-2017 - 12-07-2017	37
Conferen ce	National Conference on Science, Technology and Communication Skills (NCSTCS 2K18)	Narula Intitute of Technology	21-04-2018	80
STTP	STTP on A Computer Aided Digital Controller Design (With MATLAB and Simulink)	Narula Intitute of Technology	05-02-2018 - 06-02-2018	42
	Three Days STTP Advances in Materials, Manufacturing Industrial Aspect	Narula Intitute of Technology	22-11-2017 - 24-11-2017	35
SDP	Two day SDP on Interpersonal Skills	Narula Intitute of Technology	03-01-2018 - 04-01-2018	40

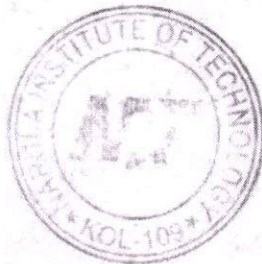
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Some Glimpses of the Event



Professional Development Program

In academic year 2016 – 2017, Narula Institute of Technology has organised different types of programmes like Faculty Development Programmes (FDP), Workshops, Hands on Session, Short Term Training Programme (STTP), Short Term Course, Staff Development Programme, Conference and National Seminar. 10 numbers of FDPs have been organised by Institute where internal faculties from different department as well as faculty members from other colleges also taken active participation. Overall 408 participants including many renowned delegates have made these FDPs successful. This year total 28 number of Workshops have been organised by Institute and collectively more than 2321 participants have taken active participation. 4 STTPs have also been arranged with average 40 numbers of participants were present. Narula Institute of Technology has also arranged 2 Hands on sessions. In the month of March one Short Term Course has been organised. 2 SDPs have also been organised for staff members of the Institute. 4 National Conference and 1 national seminar have been organised in this academic year where many participants have taken active participation. Moreover many renowned delegates made these programmes successful.

Type of program	Title	Organized by	Duration	No of participants
FDP	Faculty Development Program on IoT and its Application	Narula Intitute of Technology	08-05-2017 - 12-05-2017	38
	FDP on Data Science & Advanced Analytics using Statistica	Narula Intitute of Technology	14-03-2017 - 18-03-2017	40
	Faculty Development Program on Data Science & Advanced Analytics using Statistica	Narula Intitute of Technology	14-03-2017 - 18-03-2017	40
	FDP on Different aspects of Non Conventional Energy Resources	Narula Intitute of Technology	18-02-2017 - 22-02-2017	34

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Principal
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 57, Nilgunj Road, Agarpara, Koi-169

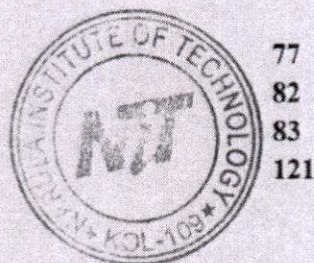
	FDP on "CURRENT TRENDS & FUTURE IN RENEWABLE ENERGY RESOURCES"	Narula Intitute of Technology	19.12.2016 - 23.12.2016	22
	FDP on "Modern Trends in Communication & Circuit Design (MTCCD-2016)"	Narula Intitute of Technology	17-10-2016 - 21-10-2016	50
	FDP on Modern Trends in Communication and Circuit Design	Narula Intitute of Technology	17-10-2016 - 21-10-2016	45
	One-week Faculty Development Program on "Advancement in manufacturing Technology"	Narula Intitute of Technology	11-07-2016 - 16-07-2016	30
	One week faculty development programme on Modern Trends in Teaching and Research Methodology	Narula Intitute of Technology	18-07-2016 - 23-07-2016	60
	Java Programming and Android	Narula Intitute of Technology	13-03-2017 - 18-03-2017	31
Workshop	Workshop on Block chain Technology	Narula Intitute of Technology	03-06-2017 - 04-06-2017	40
	Two days Workshop on "Composite Materials & Application"	Narula Intitute of Technology	24-05-2017 - 25-05-2017	30
	Three days Workshop on "Laser Cutting System"	Narula Intitute of Technology	03-04-2017 - 05-04-201	48
	Three days workshop on "Principal of Water Resources Engineering & Rain water harvesting"	Narula Intitute of Technology	24-04-2017 - 26-04-2017	51
	A Workshop on "RECENT TRENDS ON AUTOMATION"	Narula Intitute of Technology	18-04-2017 - 22-04-2017	65
	Workshop on ICT: Current Trends and Future Perspective	Narula Intitute of Technology	01-04-2017 - 02-04-2017	40
	Workshop on Data Science	Narula Intitute of Technology	27-04-2017- 28-04-2018	36
	A Workshop on "RECENT TRENDS ON AUTOMATION"	Narula Intitute of Technology	18-04-2017 - 22-04- 2017	35
	Workshop on "PCB Layout Design"	Narula Intitute of Technology	14-03-2017 - 18-03-2017	45
	Two-day National Workshop on "Recent Trends in Mechanical Engineering"	Narula Intitute of Technology	24-02-2017 - 25-02-2017	35
	Two days workshop on "Building Construction including design criteria"	Narula Intitute of Technology	06-02-2017 - 07-02-2017	48
	Two-day National Workshop on "Recent Trends in Mechanical Engineering"	Narula Intitute of Technology	24-02-2017 - 25-02-2017	80

	Workshop on IoT & its Deployment in Cloud	Narula Intitute of Technology	15-02-2017 - 16-02-2017	45
	2days workshop on "Embedded System Design using ARM CM3", phase II	Narula Intitute of Technology	09-01-2017 - 11-01-2017	20
	2days workshop on "Embedded System Design using ARM CM3", phase I	Narula Intitute of Technology	12-12-2016 - 14-12-2016	20
	Workshop on Object oriented programming	Narula Intitute of Technology	16-12-2016	25
	Workshop on "Embedded System Security"	Narula Intitute of Technology	06-12-2016 - 10-12-2016	30
	One day Workshop on "OOPS Concepts using C++"	Narula Intitute of Technology	04-10-2016	33
	Workshop on Python Programming and Digital Marketing	Narula Intitute of Technology	21-10-2016 - 22-10-2016	45
	Three days workshop on "Design & Estimation of Check dam construction"	Narula Intitute of Technology	19-09-2016 - 21-09-2016	48
	Three days' workshop on Coal Based Thermal power plant	Narula Intitute of Technology	06-09-2016 - 08-09-2016	40
	Workshop on "Recent Trend in Biomedical Engineering and IT"	Narula Intitute of Technology	08-08-2016 - 11-08-2016	35
	Two days workshop on "Soil Mechanics & Foundation Engineering"	Narula Intitute of Technology	18-08-2016 - 19-08-2016	48
	Workshop on Research in Computer, Communication & Technology	Narula Intitute of Technology	11-08-2016 - 12-08-2016	35
	Workshop on Big Data Analytics	Narula Intitute of Technology	02-08-2016 - 03-08-2016	37
	Two days workshop on Energy Internet Platform for Transactive Energy Applications	Narula Intitute of Technology	08-07-2016 - 09-07-2016	40
	Workshop on AI	Narula Intitute of Technology	27-07-2016	25
	"Recent advancements in computer aided design with AUTOCAD"	Narula Intitute of Technology	31-01-2017 - 11-02-2017	100
Hands on Session	Hands on Training on Cloud Computing and Its Application	Narula Intitute of Technology	06-04-2017 - 07-04-2017	38
STTP	STTP ON PROTECTION AND SWITCHGEAR	Narula Intitute of Technology	17-04-2017 - 19-04-2017	42
	Three days STTP on "Effective Teching in Mechanical Engineering"	Narula Intitute of Technology	01-11-2016 - 03-11-2016	30

	sttp on Pulse width techniques for voltage source inverters	Narula Intitute of Technology	10-11-2016 - 12-11-2016	41
	3 days sttp in Advances in UHV transmission and Distribution	Narula Intitute of Technology	05-09-2016 - 07-09-2016	41
Short term course	"Quality Assurance Parameters of NBA" [TEQIP-1.1 PHASE: II]	Narula Intitute of Technology	06-03-2017 -10-03-2017	55
Conference	National Conference on Advance Computing, Communication and Devices' 2017(NCACCD-2017)	Narula Intitute of Technology	16-03-2017 - 17-03-2017	85
	National Conference on Modern Trends in Physics (NCMTP 2017)	Narula Intitute of Technology	10-03-2017 - 11-03-2017	75
	National Conference on ELT for Management and Technology (NCEMT 2017)	Narula Intitute of Technology	27-02-2017 - 28-02-2017	80
	National Conference on "Advanced Computation in Electronics & Remote Sensing (NCACERS-2016)"	Narula Intitute of Technology	19-08-2016 - 20-08-2016	175
SDP	Staff Development Programme on Professional Competence	Narula Intitute of Technology	13-02-2017 - 18-02-2017	40
	One week Staff Development Programme	Narula Intitute of Technology	19-09-2016 - 24-09-2016	50



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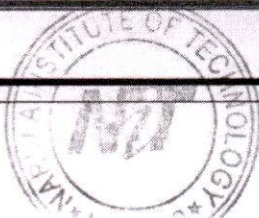
Chapter 6

Faculty Development

Professional Development Program

In academic year 2015 – 2016, Narula Institute of Technology has organised multiple numbers of different types of programmes like Workshops, Faculty Development Programmes (FDP), Short Term Training Programme (STTP), Hands on Session and Industrial Visit. This year total 39 number of Workshops have been organised by Institute and collectively more than 1795 participants have taken active participation. 8 FDPs have been organised by Institute where internal faculties from different department as well as faculty members from other colleges also taken active participation. Overall, 367 participants including many renowned delegates have made these FDPs successful. One STTP has also been arranged in the month of July with 41 numbers of participants. Narula Institute of Technology has also arranged Hands on session on Artificial Intelligence and its application with 32 participants and Industrial Visit at Bandel Thermal Power Station for students.

Type of program	Title	Organized by	Duration	No of participants
Workshop	One week Workshop "On Fundamentals of Electronics & Communication Systems, 2016 (WFECS, 2KH)"	Narula Intitute of Technology	20-06-2016 - 25-06-2016	60
	Workshop on "Recent Trends in Wireless Technology"	Narula Intitute of Technology	01-06-2016 - 04-06-2016	35
	Workshop on Social Entrepreneurship	Narula Intitute of Technology	13-05-2016 - 14-05-2016	45
	Two Days workshop on Recent Trends On Renewable Energy And Power Electronics Using MATLAB	Narula Intitute of Technology	02-05-2016 - 03-05-2016	42
	Workshop on "Safety Awareness in Industrial	Narula Intitute of Technology	26-04-2016 - 29-04-2016	29



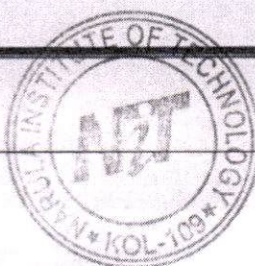
Hazardous Area"			
Object Oriented Programming in JAVA specialization	Narula Intitute of Technology	06-04-2016 -07-04-2016	37
Two days' workshop on "Nanomaterials to Opportunities Abroad"	Narula Intitute of Technology	05-04-2016 - 06-04-2016	30
Workshop on Artificial Intelligence and its appliactions	Narula Intitute of Technology	27-04-2016 - 28-02-2016	40
Workshop "Control system & Measurements."	Narula Intitute of Technology	01-04-2016 - 04-04-2016	120
Two Days Workshop on "Fundamentals of Machines & Mechanisms"	Narula Intitute of Technology	21-03-2016 - 22-03-2016	30
Workshop on Cryptography and its application	Narula Intitute of Technology	03-02-2016 - 04-02-2016	36
Workshop on POWER SYSTEM ANALYSIS-USING ETAP	Narula Intitute of Technology	29-02-2016 - 02-02-2016	41
Two Days Workshop on "Renewable Energy Resources"	Narula Intitute of Technology	22-02-2016 - 23-02-2016	32
Two Days Workshop on "Career Opportunities of Mechanical Engineering"	Narula Intitute of Technology	20-01-2016 - 21-01-2016	34
Two days workshop on "Rural Drinking Water Treatment and Water Quality Monitoring-II"	Narula Intitute of Technology	18-01-2016 - 19-01-2016	30
Workshop on SQL	Narula Intitute of Technology	18-01-2016	30
3 DAYS WORKSHOP IIN APPLICATION OF MATLAB FOR PROCESS AUTOMATION",	Narula Intitute of Technology	04-01-2016 - 06-01-2016	25
Workshop on Power System Protection Technology	Narula Intitute of Technology	16-12-2015 - 17-12-2015	42



Two days workshop on "Rural Drinking Water Treatment and Water Quality Monitoring-I"	Narula Intitute of Technology	07-12-2015 - 08-12-2015	30
Workshop on Excel	Narula Intitute of Technology	21-12-2015	40
Workshop on Ethical Hacking and Cyber Security	Narula Intitute of Technology	10-11-2015 - 11-11-2015	45
Workshop on Advanced Programming Language in Python	Narula Intitute of Technology	05-11-2015 - 06-11-2015	37
Workshop on Environmental sustainability, water resource and management	Narula Intitute of Technology	03-11-2015 - 07-11-2015	18
Workshop on "Fundamentals of Biomedical Instrumentation & Signal Processing using MATLAB"	Narula Intitute of Technology	03-11-2015 - 07-11-2015	20
Two-Day workshop titled "CNC Machining"	Narula Intitute of Technology	20-10-2015 - 21-10-2015	30
Two Days workshop titled "Advanced Welding Technique"	Narula Intitute of Technology	20-10-2015 - 21-10-2015	38
Workshop on IT Security Awareness	Narula Intitute of Technology	26-09-2015 - 27-09-2015	45
workshop on "Industrial Automation & Robotics	Narula Intitute of Technology	21-09-2015 - 26-09-2015	20
WORKSHOP ON "POWER CONSERVATION FOR SMART GRIDS"	Narula Intitute of Technology	21-09-2015-25-09-2015	24
Two days workshop on "Rural road construction materials including design"	Narula Intitute of Technology	17-09-2015 - 18-09-2015	30
One day Workshop on "PHP with MySQL"	Narula Intitute of Technology	02-09-2015	31
Two days workshop on "Rural Pavements design"	Narula Intitute of Technology	24-08-2015 - 25-08-2015	30



	The Workshop on Advancement in Biochemical and Biomedical Engineering	Narula Intitute of Technology	20-07-2015 - 25-07-2015	50
	Two Week Workshop on Linux Overview and Linux System Administration (LOLSA)	Narula Intitute of Technology	01-07-2015 - 13-07-2015	39
	Workshop on "Application of Biomedical instrumentation in health care"	Narula Intitute of Technology	08-07-2015-09-07-2015	20
	One day seminar on Environmental Ethics and Value Crisis in Contemporary Society	Narula Intitute of Technology	16-05-2016	30
	"2nd Technical Paper, Poster & Model Design Contest"	Narula Intitute of Technology	10-10-2015	80
	Project Fair on Chemical Phenomena and Waste Recycling	Narula Intitute of Technology	25-05-2016	35
	Two Day Training program for Non teaching staff on "PCB Design and Fabrication"	Narula Intitute of Technology	01-02-2016 - 03-02-2016	15
FDP	One week FDP on "On-Site Sanitation & Rural Sewage water treatment and solid management"	Narula Intitute of Technology	11-04-2016 - 15-04-2016	44
	Faculty Development program on Cloud Computing & Big Data Analytics	Narula Intitute of Technology	18-01-2016 - 22-01-2016	37
	One-week Faculty Development Programme titled "Innovation in Mechanical Engineering	Narula Intitute of Technology	16-11-2015 - 21-11-2015	24
	One week Faculty Development Programme on "Micro Manufacturing Technology"	Narula Intitute of Technology	17-08-2015 - 22-08-2015	29



	FDP on Electric field optimization of high voltage electrode based on neural network	Narula Intitute of Technology	20-08-2015 - 22-08-2015	33
	Advancement in Bio-chemical and Bio-medical Engineering	Narula Intitute of Technology	20-07-2015 - 25-07-2015	32
	Faculty Development Program on Recent Trends of Soft Computing Techniques	Narula Intitute of Technology	15-07-2015 - 19-07-2015	40
	FDP on recent trends on Solar Technology & E-CAD	Narula Intitute of Technology	03-11-2015 - 07-11-2015	18
Industrial Visit	Visit at Bandel Thermal Power Station (BTPS) by Faculty on	Narula Intitute of Technology	19-01-2016 - 20-01-2016	20
STTP	STTP on Circuit simulation & PCB design	Narula Intitute of Technology	08-07-2015 - 09-07-2015	41
Hands on Session	Hands on Session on Artificial Intelligence and its Application	Narula Intitute of Technology	07-12-2015 - 08-12-2015	32

