

<b>List of Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated period participated year wise. 2018-19</b>		
1	Faculty Development Program for Student Induction	5-7 th July 2018
2	Road Safety Audit	20th August 2018
3	Hands on Training on Non Destructive Testing	28th- 29th March 2019
4	Workshop on recent trends in insdustrial pollution & control & regulation	19th to 23rd november, 2018
5	QIP Short term program on “Deep Foundations of Mega Structures”	August 27 to September 01, 2018
6	AICTE SPONSORED Quality Improvement Short Term Course on “Recent Advances in Structural Dynamics”	18th February to 23rd February 2019
7	One Week Quality Improvement Program on “Advances in Geotechnical and Geo-environmental Engineering”	25 Feb - 2 March 2019
8	Hands on Training on Non Destructive Testing	28th- 29th March 2019
9	National Seminar on Recent Advances in Infrastructure Development	8th -9th Sept 2018
10	Environmental management: challenges and solution	28th-29th SEPTEMBER 2018
11	Recent Trends in Industrial Pollution Control and Regulation	November 19-23, 2018
12	NPTEL-AICTE - Faculty development programme "wastewater treatment and recycling"	July-Oct 2018
13	Capacity Building in water Governance and Technical Write up	08-Dec-18
14	Understanding IS 13920 and IS 1893 Part -I (Revised)	09-Dec-18
15	Hands on Training on Non Destructive Testing	28th- 29th March 2019
16	NPTEL Online Certification on " Introduction to Machine Learning	Aug to Oct 2018 ( 8 week course)
17	NPTEL Online Certification on " Introduction to Machine Learning	Aug to Oct 2018 ( 8 week course)
18	NPTEL Online Certification on " Introduction to Machine Learning	Aug to Oct 2018 ( 8 week course)
19	NPTEL Online Certification on " Data Mining "	Feb to April 2019 ( 8 week course)
20	NPTEL Online Certification on " Introduction to Machine Learning	Aug to Oct 2018 ( 8 week course)
21	NPTEL Online Certification on " Data Mining "	Feb to April 2019 ( 8 week course)

22	NPTEL Online Certification on " Deep Learning"	July to Oct 2018 ( 12 week course)
23	Training Programme on Internet of Things(IoT)	01 Nov to 02 Nov 2018
24	NPTEL Online Certification on " Blockchain Architecture Design and Use Cases"	July to Oct 2018 ( 12 week course)
25	Training Programme on Internet of Things(IoT)	01 Nov to 02 Nov 2018
26	NPTEL Online Certification on " Blockchain Architecture Design and Use Cases"	July to Oct 2018 ( 12 week course)
27	NPTEL Online Certification on " Introduction to Machine Learning	Aug to Oct 2018 ( 8 week course)
28	Training Programme on Internet of Things(IoT)	01 Nov to 02 Nov 2018
29	Training Programme on Internet of Things(IoT)	01 Nov to 02 Nov 2018
30	Training Programme on Internet of Things(IoT)	01 Nov to 02 Nov 2018
31	Machine Learning	27 Mar-
32	Mathematics for machine Learning	22-Apr-19
33	Advanced Trend and technologies in Wired and Wireless Networks	22 April to 27 April - 2019
34	Training Programme on Internet of Things(IoT)	01 Nov to 02 Nov 2018
35	Training Programme on Internet of Things(IoT)	01 Nov to 02 Nov 2018
36	NPTEL Online Certification on " Software Engineering "	July to Oct 2018 ( 12 week course)
37	Training Programme on Internet of Things(IoT)	01 Nov to 02 Nov 2018
38	Training Programme on Internet of Things(IoT)	01 Nov to 02 Nov 2018
39	Advanced Trend and technologies in Wired and Wireless Networks	22 April to 27 April - 2019
40	4th World Summit on Accreditation (WOSA-2018)	7-9 Sept., 2018
41	Functional MRI: METHODS and Application for MEDICAL imaging	22-26 Oct. 2018
42	Digital Circuits (NPTEL 12 weeks course equivalent to 2 weeks STTP)	July to October 2018
43	Anand Shala for Ph D supervisors by RTMNU	25th January 2019
44	Deep Learning: Theory and Practice	12 to 17 December 2018
45	FDP for New NAAC Methodology	4-6 December 2018 (3 days)
46	3D Technology and Embedded Electronics	13-17 November 2018
47	Analysis and Design principles of Microwave Antenas (NPTEL 8 weeks course equivalent to 2 weeks STTP)	July to October 2018 (8 weeks)
48	Simulation of Business Systems: An applied Approach (NPTEL 8 weeks course equivalent to 2 weeks STTP)	July to October 2018 (8 weeks)

49	STTP "3D Technology and Embedded Electronics"	13/11/2018 to 17/11/2018
50	Virtual Simulation Environment for Communication and Embedded System Design (VSECESD)	26/11/2018 to 01/12/2018
51	Embedded System Design with ARM	Jan - Mar 2019
52	Introduction of Internet of Things	July - Oct 2018
53	one week STTP on "3D Technology and Embedded Electronics" organised by Electronics Department RCOEM nagpur	13-17 Nov. 2018 (one week)
54	Sttp at vnit nagpur. Recent trends in power system	16-20 JULY 2018
55	Recent trends in power system. Vnit nagpur	16-20 JULY 2018
56	One Week QIP Short Term Course on Medical Image Computing :Machine Learning Methods and Advanced MRI Applications,IIT Bombay	23-27,July 2018
57	GIAN course on Functional MRI :Methods and Application for Medical Imaging,VNIT, Nagpur	22-26 ,October 2018
58	FDP on Multicore Computer Architecture Storage and Interconnects,NPTEL-AICTE	August-September 2018
59	3 Days workshop on Basic Programming using Python,Shri Ramdeobaba College of Engineering and Management and is offered by FOSSEE Project ,IIT Bombay	20-23 August,2018
60	STTP on 3D Technology and Embedded Electronics ,Shri Ramdeobaba College of Engineering and Management,Nagpur and Electronics & ICT Academy,IITDM,Jabalpur	13-17 November,2018
61	STTP on Deep Learning: Theory and Practice,IIT (BHU),Vranasi	12-17 December,2018
62	International symposium on semiconductor materials and devices,VNIT, Nagpur	30 Nov-2 Dec ,2018
63	FDP on Artificial Intelligence and Machine Learning,IITDM,Jabalpur	17-21 DECEMBER,2018
64	STTP on Virtual Simulation Environment for Communication and Embedded System Design	26 Nov-1st Dec,2018
65	FDP on Hardware Modeling using Verilog,NPTEL-AICTE	August-October 2018
66	FDP on Fiber Optics,NPTEL-AICTE	Jan-March 2019
67	UGC sponsored Refresher course (interdisciplinary) Sociology/ social work	5-12-2018 to 25-12-2018.
68	One Day Course in Universal Mental Health First Aid	26-Apr-19
69	CEP Workshop on Smart Foundry by GIAN at VNIT Nagpur	31 Aug to 2 Sep 2018
70	Tissue Engineering and Regenerative Medicine by GIAN at VNIT Nagpur	17-21 Dec 2018
71	Poro Biomechanics and Medical Devices by GIAN at VNIT Nagpur	11-15 Mar 2019
72	FDP on IoT, ML, Analytics, Mobility, Agile and Devops	13th August 2018

73	NPTEL Course on Cryptography and Network Security	Jan-April 2019 12 Week Course
74	NPTEL Course on Data Mining	Feb-April 2019 08 Week Course
75	Process modelling and simulation using matlab.	18-20 JULY 2018
76	Sttp. Process modelling and simulation using matlab	18-20 JULY 2018
77	Process modelling and simulation using matlab.	18-20 JULY 2018
78	Workshop On Intectual property rights	30-Nov-18
79	Process modelling and simulation using matlab	18-20 JULY 2018
80	Teachers' Enrichment workshop on Linear Algebra, Group Theory and enumerative combinatorics	23-28 December 2018
81	Teachers' Enrichment workshop on Linear Algebra, Group Theory and enumerative combinatorics	23-28 December 2018
82	Teachers' Enrichment workshop on Linear Algebra, Group Theory and enumerative combinatorics	23-28 December 2018
83	Teachers' Enrichment workshop on Linear Algebra, Group Theory and enumerative combinatorics	23-28 December 2018
84	Teachers' Enrichment workshop on Linear Algebra, Group Theory and enumerative combinatorics	23-28 December 2018
85	Workshop on Linear Algebra and Multivariate calculus for science and Engineering Teachers	1-5 January 2019
86	Workshop on Linear Algebra and Multivariate calculus for science and Engineering Teachers	1-5 January 2019
87	Sttp on structural equation modelling meditation and moderation analysis at katpadi mba dept	13-19 AUGUST 2018
88	Fdp at iim banglore. Blended moocs faculty development programme	11-Aug-18
89	Fdp at iim banglore. Blended moocs faculty development programme	11-Aug-18
90	One week FDP on Structural Equation Modeling, Mediation and Moderation Analysis (SEMMA - 2018)	August 13 - 19, 2018 (1 week)
91	Workshop on Qualitative Research	17th December,2018
92	FDP on Data Analysis and Decision Making I, by NPTEL-AICTE	Jun-18
93	FDP on Using Blended MOOCs in Management Education	08-11-2018
94	STTP on 3D Technology and Embedded Electronics	13th-17th Nov. , 2018
95	FDP on NPTEL-Introduction to Machine Learning	Aug-Oct, 2018
96	FDP on NPTEL-Data Base Management Systems	Aug-Sept 2018
97	FDP on NPTEL-Big Data	Feb-Apr, 2019
98	FDP on NPTEL-Data Mining	Feb-Apr, 2019
99	Role of Industrial Engineering in Industry 4.0 Paradigm(ICIEIND 2018)	27 <sup>th</sup> to 30 <sup>th</sup> Sept 2018
100	RAC Product Design	September – August 2018 (4 Weeks)

101	Proficiency development Program on Diesel Engine Emission Generation and Control	10 <sup>th</sup> -11 <sup>th</sup> December 2018
102	XXXIII Annual IAPT Convention 2018 Ranchi and National Symposium on Innovation and Excellence in Physics Teaching and Research	29 October- 31 October 2018
103	Teachers' Enrichment Workshop on Linear Algebra, Group Theory & Enumerative Combinatorics (Funded by National Center for Mathematics) held at RCOEM, nagpur	23-December-28-December 2018
104	STTP on Virtual Simulation Environment for Communication and Embedded System Design	26 Nov-1st Dec,2018
105	FDP on Introduction to Research,NPTEL-AICTE	Feb-April 2019
106	FDP on Hardware Modeling using Verilog (8 week Course)	August - October 2018
107	STTP on Virtual Simulation Environment for Communication and Embedded System Design	26 Nov-1st Dec,2018
108	FDP on Robotics and AI	24 - 28 June, 2019
109	FDP on Embedded Systems Interfacing and Hands-on	10 - 14 June, 2019
110	FDP on Digital VLSI Design and Verification	27 May - 01 June, 2019
111	one week STTP on "3D Technology and Embedded Electronics" organised by Electronics Department RCOEM nagpur	13-17 Nov. 2018 (one week)
112	Twelve week NPTEL-AICTE Faculty Development Program on "Design of Photovoltaic Systems" organised by IISC Bangalore	12 weeks
113	One week AICTE sponsored STTP on "Virtual Simulation Environment for Communication and Embedded System Design." organised by EDT department RCOEM Nagpur	26th Nov -1st Dec , 2018
114	one week STTP on "3D Technology and Embedded Electronics" organised by Electronics Department RCOEM nagpur	13-17 Nov. 2018 (one week)
115	One week STTP on "Power electronics Technologies for Renewabale Enegy and Microgrid" organised by Electrical Engineering Dept VNIT nagpur	3-8 Dec. 2018 (one week)
116	one week Workshop on "Advanced Technologies in Power Engineering" organised by NIT, Warangal	17-21 Dec. 2018 (one week)
117	four week NPTEL-AICTE Faculty Development Program online certification course on "Introduction to basic Spoken Sanskrit " organised by IIT Kharagpur	four week
118	Twelve week NPTEL-AICTE Faculty Development Program on "Advanced Linear Continuous Control System: Applications with MATLAB Programming and Simulink " organised by IIT Madras	12 weeks
119	One week AICTE sponsored STTP on "Virtual Simulation Environment for Communication and Embedded System Design." organised by EDT department RCOEM Nagpur	26th Nov - 1st Dec , 2018
120	One week AICTE sponsored STTP on "Virtual Simulation Environment for Communication and Embedded System Design." organised by EDT department RCOEM Nagpur	26th Nov -1st Dec , 2018

121	One week AICTE sponsored STTP on “Virtual Simulation Environment for Communication and Embedded System Design.” organised by EDT department RCOEM Nagpur	26th Nov -1st Dec , 2018
122	One week STTP on " Smart Techniques in Power System" organised by VNIT Nagpur	15th -19th March 2019

**List of Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated period participated year wise. 2017-18**

1	Workshop at vnit nagpur chemistry dept. Spectral data analysis and spectral interpretation for structure elucidation	21 NOVEMBER -25 NOVEMBER 2017
2	STEM Teacher Training Workshop on Research Based Pedogogical tools	6-9th October 2017
3	Design of Rigid and Flexible Pavement	13th-17th November
4	Road safety audit & other road safety related aspects	15th to 30th May 2017
5	Application of building information modeling for sustainable construction	17th-21st july,2017
6	Application of IS 800:2007 in Design of Steel Structures	12th to 16th Jan, 2017
7	2 Days Workshop on Sustainable Construction: Materials and Technologies	12th & 13th April 2018
8	Understanding IS 13920 And IS1893 Part I (Revised)	9 <sup>th</sup> Dec 2017
9	Compass- 2018	09- 10 February 2018
10	Understanding IS 13920 And IS1893 Part I (Revised)	9 <sup>th</sup> Dec 2017
11	Disaster Management: Risk Assessment and Mitigation	March 12th to 16th, 2018
12	Understanding IS 13920 And IS1893 Part I (Revised)	9 <sup>th</sup> Dec 2017
13	Faculty Development Programme on “Finite Element Practice and Applications”	31 <sup>st</sup> October to 4 <sup>th</sup> November, 2017
14	Understanding IS 13920 And IS1893 Part I (Revised)	9 <sup>th</sup> Dec 2017
15	Design of Reinforced concrete Structures for Earthquake and fire as per NBC 2016	2-5 May, 2018
16	2 Days Workshop on Sustainable Construction: Materials and Technologies	12th & 13th April 2018
17	Understanding IS 13920 And IS1893 Part I (Revised)	9 <sup>th</sup> Dec 2017
18	short term training programme on “Disaster Management : Risk Assessment & Mitigation” at GCOE, Nagpur	12-16 March 2018
19	workshop on “Sustainable Construction : Materials and Technologies”	11-12 April 2018
20	Application of Building Information Modeling for Sustainable Construction	17th -21st July 2017

21	“Low Carbon Materials And Building System”	19 -24 February, 2018.
22	Two day workshop on " sustainable construction:Materials and Technologies"	12-13 April, 2018
23	AI and Machine Learning	04 June to 08 June 2018
24	ANN and Deep learning	11 june to 15 june 2018
25	Advanced statistical data analysis using r"	23 dec to 28 december 2017
26	Internet of Things	11 july to 13 july 2017
27	CUDA	21 Aug to 23 Aug-2017
28	Adavances in Cyber Security	04 to 08 december-2017
29	NLP:Techniques and Application	02 to 07 may-2018
30	Hand on Networking ,Virtualization and Security	26 to 30 December 2017
31	ICCISC	20 to 21 December-2017
32	ANN and Deep learning	11 june to 15 june 2018
33	Computer Network Design & Implementition	27 Nov to 02 Dec-2017
34	Adavances in Cyber Security	04 to 08 december-2017
35	NLP:Techniques and Application	02 to 07 may-2018
36	ANN and Deep learning	11 june to 15 june 2018
37	Machine Learning	18 to 22 December
38	ANN and Deep learning	11 to 15 june
39	NLP:Techniques and Application	02 to 07 may-2018
40	Computational Intelligence and Cloud	26 to 30 December 2017
41	Machine Learning	28 August to September,2017
42	Internet of Things	18 to 22 june
43	ANN and Deep learning	11 to 15 june 2018
44	ANN and Deep learning	11 to 15 june 2018
45	High Performace Computing	14 to 18 may 2018
46	Adavanced Programming Skill Development in Open Source Technology	22 to 27 january - 2018
47	Adavanced Programming Skill Development in Open Source Technology	22 to 27 january - 2018
48	High Performace Computing	14 to 18 may 2018
49	Summer Reserch Feilowship Programme	May - June-2018
50	Advances in Cyber Security	04 to 08 december-2017
51	ANN and Deep learning	11 to 15 june 2018
52	ANN and Deep learning	11 to 15 june 2018



53	AI and Machine Learning	04 to 08 june-2018
54	Internet of Things	18 to 22 june-2018
55	Introduction to Machine Learning	16,17, December 2017
56	Internet of Things	18 to 22 june 2018
57	AI and Machine Learning	04 to 08 june 2018
58	ANN and Deep learning	11 TO 15 june-2018
59	Global Initiative for Academic Network	02 TO 06 January,2018
60	ANN and Deep learning	11 TO 15 june-2018
61	Cloud Computing Application,Part2: Big Data and Application in the Cloud	29-12-2017
62	Hadoop ,Map reduce for Big Data	03-Mar-18
63	AI and Machine Learning	04 to 08 june-2018
64	ANN and Deep learning	11 to15 june-2018
65	ANN and Deep learning	11 to15 june-2018
66	Internet of Things	18 to 22 june 2018
67	Internet of Things	18 to 22 june 2018
68	Advances in Cyber Security	04 to 08 december-2017
69	ANN and Deep learning	11 to 15 june 2018
70	AI and Machine Learning	04 to 08 june 2018
71	Internet of Things	11 TO 13 july 2017
72	Advanced Data Structures in Java	25-04-2018
73	ANN and Deep learning	11 to 15 june 2018
74	AI and Machine Learning	04 to 08 june 2018
75	Data Structures in Performance	28-Apr-18
76	Internet of Things	11 july to 13 july 2017
77	AI and Machine Learning	04 to 08 june 2018
78	ANN and Deep learning	11 to 15 june 2018
79	Internet of Things	11 july to 13 july 2017
80	AI and Machine Learning	04 to 08 june 2018
81	ANN and Deep learning	11 to 15 june 2018
82	Design of Microwave Antennas for Wireless Communication Applications (International Level)	August 21-26, 2017
83	AICTE-QIP short term course on Biomedical Data Analysis(BioMeDicS-2017)(International Level)	September 11-17, 2017
84	AICTE-QIP short term course on Biomedical Data Analysis(BioMeDicS-2017)(International Level)	September 11-17, 2017
85	AICTE-QIP short term course on Biomedical Data Analysis(BioMeDicS-2017)(International Level)	September 11-17, 2017
86	Advanced Electromagnetic Engineering(International Level)	November 2-8,2017
87	Role of optimizing in engineering applications(International level)	Dec 26-30,2017
88	Sediment classification and field experiment	oct 9-13,2017
89	Machine Learning Using Python	Dec 11-16 2017

90	Design and simulation of antenna and Microwave Devices	Dec 11-15, 2017
91	5G Communications	11-15 june 2018
92	Game Theory and Competitive Strategies in 4G/5G Wireless Networks	19-21 feb 2018
93	Internet of Things (IoT)	18-22 june 2018
94	Internet of Things (IoT)	18-22 june 2018
95	Internet of Things (IoT)	18-22 june 2018
96	AI & Machine Learning	4-8 june 2018
97	AI & Machine Learning	4-8 june 2018
98	AI & Machine Learning	4-8 june 2018
99	AI & Machine Learning	4-8 june 2018
100	AI & Machine Learning	4-8 june 2018
101	ANN & Deep Learning	11-15 june 2018
102	ANN & Deep Learning	11-15 june 2018
103	ANN & Deep Learning	11-15 june 2018
104	ANN & Deep Learning	11-15 june 2018
105	ANN & Deep Learning	11-15 june 2018
106	Workshop at vnit nagpur ec dept. Global initiative for academic networks	4 -8 DECEMBER 2017
107	Sttp at iit roorkee. E.c. dept.. Biomedical signal aquasition , processing and analysis	19-23 DECEMBER 2017
108	Flexible Electronics	03/07/2017 to 08/07/2017
109	Network Simulation using Qualnet Software	28/09/2017
110	Power System Design & Analysis using DlgSILENT Power Factory	10-06-2017
111	Course on Display Technology	12/10/2017 to 13/10/2017
112	Internet of Things	01/09/2017 to 02/09/2017
113	Fundamentals of Optical Wireless Communication	14/01/2018 to 19/01/2018
114	Current Trends in Power Electronics & Drivers Technology	11/12/2017 to 16/12/2017
115	Practices in Computer Network Design and Implementation	27/11/2017 to 02/12/2017
116	Workshop at vnit nagpur. Mems for biomechanics and bio robotics	4-8 DECEMBER 2017
117	Sttp at vnit nagpur. Mathematical modelling and simulation for wireless digital communication	4-8 JUNE 2018
118	Fdp at svnit surat . Digital cmos circuits and devices	22 - 26 MAY 2018
119	Sttp at vnit nagpur. Mathematical modelling and simulation for wireless communication.	4 - 8 JUNE 2018

120	One week STTP(Global Initiative for Academic Networks) on "Multi-phase Drive and Generation Systems for Advanced Industrial Applications" organised by VNIT Nagpur	12 <sup>th</sup> Feb 2018- 16 <sup>th</sup> Feb 2018
121	AICTE Sponsored one week STTP course on "Recent Trends in Condition Monitoring of Power Apparatus and Systems" organised by Department of Electrical Engineering IIT Madras	19 <sup>th</sup> February to 24 <sup>th</sup> February, 2018
122	One week STTP(Global Initiative for Academic Networks) on "Current trends in Power Electronics and drive technology"	11th December to 16th December 2017
123	One week STTP(Global Initiative for Academic Networks) on "Current trends in Power Electronics and drive technology"	11th December to 16th December 2017
124	Two week ISTE STTP on "Electric Power System" organised by Indian Institute of Technology ,Kharagpur at VNIT, Nagpur	12 <sup>th</sup> June to 15 <sup>th</sup> July 2017
125	Two week ISTE STTP on "Electric Power System" organised by Indian Institute of Technology ,Kharagpur at VNIT, Nagpur	12 <sup>th</sup> June to 15 <sup>th</sup> July 2017
126	Two week ISTE STTP on "Electric Power System" organised by Indian Institute of Technology ,Kharagpur at VNIT, Nagpur	12 <sup>th</sup> June to 15 <sup>th</sup> July 2017
127	Two day Workshop on "Entrepreneurship in Solar Photovoltaic System" Organised by RCOEM nagpur	23rd and 24th Sep 2017
128	Sttp on. Advance medical imaging at vnit nagpur	2-6 JANUARY 2018
129	Sttp at nit rourkela en dept. Design and simulation of antenna and microwave devices	11-15 DECEMBER 2017
130	Gian at iit roorkee en dept. Biomedical signal aquasition , processing and analysis	19-23 DECEMBER 2017
131	Training workshop in banglore en dept. Internet on things	5-6 AUGUST 2017
132	Workshop at neeri nagpur. Solar energy utilization for sustainable development	1-2 FEBRUARY 2018
133	Sttp at vnit nagpur. Mathematical modelling and simulation for wireless digital communication	4- 8 JUNE 2018
134	Fdp at jabalpur en dept. 5 g communication	11-15 JUNE 2018
135	QIP Short term course on Basic Digital System: Theory and Practice IIT,Bombay	May 7-11,2018
136	Online Training Program,Go Solar PV:The Business Potential of Solar Photovolatics INOOENERGY Netherlands in association with Future Learn	27 Nov 2017 to 7 Jan
137	Introduction to Internet of Things CISCO Networking Academy	2-9 Jan 2018
138	QIP Short term course on Smart Material and Structures:Theory and Applications PDPM, IIIT,Jabalpur	15-19 January,2018

139	QIP sponsored FDP on Mechatronics and industrial Automation College of Engineering, Pune	26 Mar to 30th March 2018
140	Short Term Course on Bio-Medical Data Analysis IIT Kharagpur	11-17 September,2017
141	Workshop on Internet of Things Infi-Zeal Technologies at Indian Institute of Technology Guwahati, India	10-11 March, 2018
142	Short Terma course on Natural Language Processing RCOEM,Nagpur	2-7 May 2018
143	INUP Familiarization Workshop,Nanofabrication Technologies IISC,Banglore	28 <sup>th</sup> -30 <sup>th</sup> Nov,2017
144	FDP,Foundation Program in ICT for Education IIT,Bombay(face to face component in VNIT Nagpur)	3 August -7th September 2017
145	STTP,Design of Microwave Antennas for Wireless Communication Applications IIT Kharagpur	21-26 August 2017
146	STTP,Practices in computer network design and implementation Shri Ramdeobaba College of Engineering, Nagpur	27th November - 2nd December 2017.
147	FDP,Empowering Academic Excellence with an Overview of Industry 4.0 Sipna College of Engineering and Technology, Amravati	21st Dec-23rd Dec,2017
148	Workshop,Hands on Networking,Virtualization and Security VNIT, Nagpur.	26th Dec-30th Dec,2017
149	FDP on Display Technology YCCE, Nagpur, conducted by Twinstar Display Technologies Limited	12th and 13th October, 2017
150	Introduction to EM Spectrum Management VNIT,Nagpur	12-16 <sup>th</sup> Mar 2018
151	One Week FDP ANN Deep Learning PDPM IIITDM, Jabalpur	11-15th June 2018
152	STTP on Digital CMOS Circuits and Devices MNIT Jaipur & SVNIT Surat	22-26 May 2018
153	FDP AT JABALPUR EN DEPT. 5 G COMMUNICATION	11-15 JUNE 2018
154	96 <sup>th</sup> Orientation Programme organized by UGC-Human Resource Development Centre	22-6-17 to 19-7-17.
155	One week STTP on “Interdiciplinary Research Methodology and Innovations” by Dept of Humanities, VNIT.	4-10 June 2018
156	one week STTP program on “Interdisciplinary Research in Biomedical engineering “ organized by VNIT, Nagpur	9th Oct to 13th Oct 2017.
157	Optmisation Techniques in Engineering Applications at NITTTR Chandigarh	29 Jan to 2 Feb 2018

158	STTP AT IIT INDORE. AUTONOMOUS MOBILE ROBOTICS	6-10 MARCH 2018
159	Robotic Application for Mnaufacturing at SVP CET Nagpur	24-25 Nov 2017
160	2 days symposium on Recent trends in Solar energy technologies at SBJITMR Nagpur	6-7 Jan 2018
161	10 day course on Aerospace materials at IIT Gandhinagar	11-22 Jun 2018
162	One week wrkshop on Engineering Design Optimisation	4-8 Jun 2018
163	Faculty Enablement Program on Internet of Things	11th to 13th July 2017/ Three Days
164	Faculty Enablement Program on Internet of Things	11th to 13th July 2017/ Three Days
165	Faculty Enablement Program on Internet of Things	11th to 13th July 2017/ Three Days
166	Faculty Enablement Program on Internet of Things	11th to 13th July 2017/ Three Days
167	Faculty Enablement Program on Internet of Things	11th to 13th July 2017/ Three Days
168	Faculty Development Program on Agile Scrum Methodology for Software Development	7th August 2017/ One Day
169	Workshop on IOT & Smart Technologies	31st August 2017/ One day
170	Workshop on IOT & Smart Technologies	31st August 2017/ One day
171	Short Term Course on Biomedical Data Analytics (BioMeDics-2017)	11th to 17th September 2017/Seven Days
172	Short Term Training Program on Emerging Trends in NLP: Techniques and Applications	2nd to 7th May, 2018
173	Attended Annual Day Event of ACM India Annual Event 2018	17th February 2018
174	Attended Annual Day Event of ACM India Annual Event 2018	17th February 2018
175	Attended Annual Day Event of ACM India Annual Event 2018	17th February 2018
176	Attended Annual Day Event of ACM India Annual Event 2018	17th February 2018
177	Attended Annual Day Event ISIGCSE of ACM India Annual Event 2018	15th February 2018
178	Attended Annual Day Event ISIGCSE of ACM India Annual Event 2018	15th February 2018
179	Attended Annual Day Event IRISS 2018 of ACM India Annual Event 2018	16th February 2018
180	Accenture Learning Symposium	21st to 22nd February, 2018
181	ISO 9001:2015 Internal Auditor Training Program	5th-6th December 2017
182	ISO 9001:2015 Internal Auditor Training Program	5th-6th December

		2017
183	ISO 9001:2015 Internal Auditor Training Program	5th-6th December 2017
184	Accenture Learning Symposium	21st to 22nd February, 2018
185	Workshop on Numerical Techniques for partial Differential Equations	10-14 July 2017
186	Workshop on Numerical Techniques for partial Differential Equations	10-14 July 2017
187	STTP on Numerical and Analytical techniques to undertake research in Engineering	1-5 September 2017
188	Workshop at mumbai mba dept. Conducting and crafting high quality research	24-25 NOVEMBER 2017
189	Conference at pune . Advance quality research summer school	8-10 MARCH 2018
190	Workshop at mumbai. Conducting and crafting high quality research	24-25 NOVEMBER 2017
191	Workshop at kdk college nagpur. Induction programme for new students	18-22 DECEMBER 2017
192	Sttp at pune advance qualitative research summer school	8 - 10 MARCH 2018
193	Fdp at jabalpur. Finite element practice and applications	31 OCTOBER - 4 NOVEMBER 2017
194	Sttp at pune. Advance qualitative research.	8-10 MARCH 2018
195	Workshop at vnit nagpur mba dept. Interdisciplinary research, methodology and innovations	4 - 10 JUNE 2018
196	Workshop at vnit nagpur. Interdisciplinary research, methodology and innovations	4 - 10 JUNE 2018
197	IIM KOZHIKODE workshop. Econometric in management research	9-13 APRIL 2018
198	Enhancing Moral,Ethical&Emotional Compentencies(MEE) in Engineering & management Students:The need for Paradigm Shift in Pedagogy	01st November to 11th November 2017
199	International Workshop on 'Writing for Publication'	6th November 2017
200	Econometrics for Management Research	09-13 March 2018
201	ANN AND DEEP LEARNING AT IITDM JABALPUR	11-15 JUNE 2018
202	FDP on Machine Learning Basics and Emerging Trends, organised by School of CS and IT, Indore under E&ICT Academy, PDPM IITDM , Jabalpur	1st-6th Sept., 2017
203	STTP on Big Data analytics & Internet of Things, organised by PIET, Nagpur	27th Nov. -2nd Dec. , 2017
204	STTP on Emerging Trends in NLP: Techniques and Applications, Deptt. Of IT, RCOEM, Nagpur	2nd – 7th , May 2018
205	FDP on AI and Machine Learning organised by RCOEM in Association with IITDM, Jabalpur	4th-8th, June 2018

206	FDP on Internet of Things(IoT) organised by RCOEM in association with NIT, Warangal	18th – 22nd, June 2018
207	STTP AT IIT INDORE. Autonomous Mobile Robots	6 - 10 MARCH 2018
208	Six Sigma Yellow Belt	17th June 2017
209	Data Analysis Using Statistical Software SPSS	18th June 2017
210	CATIA V5	19TH - 20TH MAY 2017
211	STTP on Research Methodology and Innovations AT VNIT, NAGPUR	4 June -10 June 2018
212	9th Refresher course on Material preparation & measurement of Properties held at IASc Bengaluru, organized by Indian academy of Science and Indian National Science Acedemy, New Delhi	15 Mach- 30 March 2018
213	Workshop at kdk college. Induction programme for new students	18-22 DECEMBER 2017
214	Workshop on scanning electron microscopy	19 -20 APRIL 2018
215	Workshop. Scanning electron microscopy	19 -20 APRIL 2018
216	ISO 9001:2015 Internal Auditor	5th -6th December 2017
217	Emerging trends in Manufacturing	21-23 December 2017
218	Trends in Engineering Science and Management, 2017	10-11 November 2017
219	Nanotechnology: Ideas Innovations and Initiatives	6 <sup>th</sup> -8 <sup>th</sup> December 2018
220	Manufacturing Technology and Simulation, ICMTS 2017	7 <sup>th</sup> -8 <sup>th</sup> July 2018
221	Machines and Mechanisms	13 <sup>th</sup> -15 <sup>th</sup> December
222	Smart Materials and Structures	15th -19th January 2018
223	“Thermal Technology for Industrial Process Heat and Power”	25 <sup>th</sup> -27 <sup>th</sup> April 2018
224	“Electric Vehicle” sponsored by Ministry of Electronics and Information Technology	28 <sup>th</sup> May to 1 <sup>st</sup> June 2018
225	Two days Enterpreneurship Promotion workshop on " Enterpreneurship in Solar Photovoltaic Systems" organised by OASIS The Enterpreneur ship Development Cell	23 rd and 24th September 2017
226	One day workshop on 'ENERGY CONSERVATION BUILDING CODE' organised by Maharashtra Energy Development Agency in association with Visvesvaraya national Institute of Technology , Nagpur	07-Apr-18
227	Attended Annual Day Event ISIGCSE of ACM India Annual Event 2018	15th February 2018
228	Short Term Training Program on Emerging Trends in NLP: Techniques and Applications	2nd to 7th May, 2018

229	STTP on Practices in computer Network Design and Implementation, Deptt. of Electronics, RCOEM, Nagpur	27th Nov. -2nd Dec. , 2017
230	Orientation Programme on Developing Aptitude for Research and Comprehensive Quality Enhancement , organised by IQAC, RCOEM, Nagpur	17th - 18th July, 2017



<b>List of Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated period participated year wise. 2016-17</b>		
1	NPTEL workshop	24th September 2016
2	Refresher Course in Chemistry	11th Nov to 1st December 2016
3	Sttp at vnit nagpur. Spectroscopic technique fundamentals and applications	5-9 DECEMBER 2016
4	Sttp at vnit nagpur. Spectroscopic technique fundamentals and applications	5-9 DECEMBER 2016
5	Roadway pavement construction and quality	24-26 Oct 2016
6	“Application of IS 800-2007 in Design of Steel Structures”	12th-16th Jan 2017
7	STTP OF “Application of IS800-2007 In the Design of steel structures”	12-16 JAN 2017
8	Advance RCC High Rise Building Design	21st & 22 June, 2017
9	GIS for Civil Engineers	15-19 May 2017.
10	Analysis & Design of Building	21 Sept. 2016
11	The Ambuja Basics of RCC Design & Concept Workshop	28 Dec to 29 Dec, 2016
12	Short term program on “Finite Element Method & Applications in Civil Engineering”	26th - 30th June 2017
13	One Week Quality Improvement Program on “GIS for Civil Engineers”	15-19 May 2017
14	TEQIP Short Term Course on “Structural Elements Subjected to Extreme Loadings”	20–24 March, 2017
15	“Application of IS 800-2007 in Design of Steel Structures”	12th-16th Jan 2017
16	Ambuja Cement Mix Design Workshop	11-12 Dec 2016
17	Two days workshop on “Manufactured sand”	29-30 March 2017
18	Geotechnical Aspects of Earthquake Engineering”	23 – 25 February 2017
19	Analysis and design of building	21st Sep 2016
20	Geotechnical Aspect of Earthquake Engineering	23-25 Feb 2017
21	Application of IS 800:2007 IN DESIGN OF STEEL STRUCTURES	12-16 Jan 2017
22	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
23	AAVISKAR-2016	16 jan to 18 jan -2017
24	Bhuvan Services and Application	13 july to 14 july- 2016
25	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
26	Machine Learning using R"	27 dec to 29 dec 2017

27	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
28	Session Chair for PG Conference	24 March to 25 March 2017
29	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
30	Foundation Program 5.0	02 Jan to 04 Jan 2017
31	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
32	Migration From Window to Linux	13 dec to 28 dec -2016
33	Embeded System Using Rasbarry -PI	03 oct to 08 oct -2016
34	RUSA Workshop on IPR	22/08/2016
35	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
36	Bhuvan Services and Application	13 july to 14 july-2016
37	ACREX Visit 2017	23-25 February 2017
38	Schedulability Analysis for Real-Time Systems (RTS-2016) Under TEQIP-II	12 Dec to 17 Dec-2017
39	Machine Learning using R"	17 oct to 22 oct-2016
40	Schedulability Analysis for Real-Time Systems (RTS-2016) Under TEQIP-II	12 Dec to 17 Dec-2017
41	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
42	Schedulability Analysis for Real-Time Systems (RTS-2016) Under TEQIP-II	12 Dec to 17 Dec-2017
43	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
44	FDP on Machine Learning & Artificial Intelligence	17 Apr to 02 May 2017
45	New Paradigms in Software Engineering	16-Dec-16
46	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
47	IQAC	11 july to 16 july 2017
48	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
49	Machine Learning & Artificial I	17 April to 02 May-2017
50	Workshop on INTELLECTUAL PROPERTY RIGHT(IPR)	22 Aug ,2016
51	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
52	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
53	SCIPY-INDIA	10 Dec to 11 Dec

		2016
54	Recent Trends and Technologies in BIG Data Analytics	19 Dec to 22 Dec 2016
55	IQAC	11 july to 16 july 2017
56	Bhuvan Services and Application	13 july to 14 july-2016
57	STTP on CMOS Mixed Signal and Radio Frequency VLSI Design	26 jan to 4 feb 17 online activity+ 30 jan -4 feb,2017
58	STTP on CMOS Mixed Signal and Radio Frequency VLSI Design	26 jan to 4 feb 17 online activity+ 30 jan -4 feb,2017
59	STTP on Advanced Wireless Communications: Physical Layer Perspective	12-17 dec,2016
60	STTP on Embedded Systems using Raspberry Pi Single Board Computer	3-8 oct,2016
61	STTP on Embedded Systems using Raspberry Pi Single Board Computer	3-8 oct,2016
62	STTP on Embedded Systems using Raspberry Pi Single Board Computer	3-8 oct,2016
63	Training Program on Introduction to Indian Patenting Procedure	19-Sep-16
64	STTP E.C. DEPT. EMBEDDED SYSTEM USING RASPBERRY-PI SINGLE BOARD COMPUTER	3 - 8 OCTOBER 2016
65	GIAN COURSE VNIIT NAG[PUR. STTP on Advanced Wireless Communications: Physical Layer Perspective	12 -17 DECEMBER 2016
66	Embedded Systems Using Raspberry-Pi Single Board Computer	03/10/2016 to 08/10/2016
67	Embedded Systems Using Raspberry-Pi Single Board Computer	03/10/2016 to 08/10/2016
68	Sustainable growth through Innovation in Management & Technology	18/10/2016 to 19/10/2016
69	FPGA Based Digital System Design	16/11/2016 to 21/11/2016
70	FPGA Based Digital System Design	21/11/2016 to 26/11/2016
71	FPGA Based Digital System Design	16/11/2016 to 21/11/2016
72	Advanced Wireless Communication Technologies: A PHP-Layer Perspective	12/12/2016 to 17/12/2016
73	CMOS, Mixed Signal Frequency VLSi Design	26/12/2016 to 04/02/2017
74	Sttp at IIT kanpur. Edt dept. Modelling and stimulation of nano transistors	13-17 February 2017
75	Gian course vnit nagpur. Edt dept. Charging system for electric vehicles.	7-12 DECEMBER 2016

76	Orientation Program for Newly Recruited Faculty of RCOEM	11-16 July 2016
77	One week STTP on, "MICROCONTROLLER dsPIC 33EP256MC202 & its Applications in Engineering" organised by Electrical Engineering Dept RCOEM, Nagpur	19th -23rd Dec 2016
78	Two day workshop on "EMPOWER-16" organised by Electrical Engineering RCOEM Nagpur	7th-8th Jan 2017
79	Two day workshop on "EMPOWER-16" organised by Electrical Engineering RCOEM Nagpur	7th-8th Jan 2017
80	Two day workshop on "EMPOWER-16" organised by Electrical Engineering RCOEM Nagpur	7th-8th Jan 2017
81	Two day workshop on "EMPOWER-16" organised by Electrical Engineering RCOEM Nagpur	7th-8th Jan 2017
82	Three day workshop on "Demand Side Management " organised by IIT Bombay	7th-9th Dec 2016
83	Sttp at vnit. Nagpur. Renewable energy source and power quality	29 AUGUST - 2 SEPTEMBER 2016
84	Sttp at vnit nagpur. Charging system for electric vehicles.	7-12 DECEMBER 2016
85	Sttp at vnit nagpur. Charging system for electric vehicles.	7-12 DECEMBER 2016
86	Sttp at vnit electrical dept. Functional calculus engineering laboratory	15-19 NOVEMBER 2016
87	Short course at iit kanpur en dept. Modelling and stimulation of nano transistors	13-17 February 2017
88	Training on "Bhuvan Services and Applications" at Regional Remote Sensing Center Nagpur, Department of Space , ISRO, Govt. of India	13-14 July, 2016
89	IEP Course on Design issues related to Deep Submicron Technology	5-9 Dec. ,2016
90	AICTE Sponsored CEP short Term Course on Advance State of the Art Microcontroller	03-08 July, 2016
91	Project titled "Piezoelectric energy harvesting interface circuit" at IIT,Bombay	May-July 2016
92	Two week ISTE STTP on CMOS, Mixed signal and Radio Frequency VLSI Design at IIT Kharagpur	26 Dec - 4 Feb 2017
93	AICTEsponsored Short trem Course on Emerging Nanoelectronics Devices Modelling, Simulations and Applications at IIITDM, Jabalpur	26-30 June, 2017
94	1st National Teachers Congress at MAEER'S,MIIT Group of Institutions,Pune,India	23rd - 25 Sept. 2016
95	8th ISSS National Conference on MEMS,Smart Materials, Structures and Systems, IIT Kanpur	28-30 Sept. 2016
96	3rd International conference on emerging electronics, IIT,Bombay	27-30 Dec ,2016

97	International Conference on Signal and Information Processing (IConSIP-2016), SGGSIET,Nanded	6-8 Oct. 2016
98	ISTE approved One Week STTP on FPGA Based Digital System Design, Shri Ramdeobaba College of Engineering & Management, Nagpur	21-26 Nov, 2016
99	International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT 2016), IIIT Pune	9-10 Sept. 2016
100	STTP on Microwave Components,Circuits and Antennas:Design and Measurements, Shri Sant Gajanan Maharaj College of Engineering,Shegaon	13-17 Dec 2016
101	International Conference on Signal Processing,Communication,Power and Embedded Systems(SCOPES)-2016, Centurian University of Technology and Management, Paralakhemundi, Odisha,India	3-5 Oct., 2016
102	IEEE Conference on Innovative Mechanism for Industry, Dayananda Sagar College of Engg. Bengaluru	21-23 Feb., 2017
103	Joint International Conference on Intelligent Computing and Applications(ICICA 2016) & Power,Circuit and Information Technologies (ICPCIT-2016), D.Y.Patil College of Engineering, Akurdi,Pune and IRD India	20-22 Dec, 2016
104	The Internet of Things, Online course, Kings College, London	4 Weeks course
105	Introduction to Cyber Security, Open University ,Future Learn Learning Platform	8 Weeks course
106	Cyber Security for Small and Medium Enterprises, Deakin University,Future Learn Learning Platform	2 Weeks course
107	2nd International Conference on '2017 Devices for Integrated Circuits (DevIC)	23-24 March 2017
108	Gian course vnit nagpur edt dept. Advance wireless communication technologies.	13-17 DECEMBER 2016
109	Training and Entrepreneurship Orientation by LemonSchool of Entrepreneurship Nagpur	13-07-2016
110	Workshop on Rashtriya Avishkar Abhyan at RTMNU BCUD	16-07-2016
111	FDP on Recent Trends and Technologies in Big Data Analytics [Data Science Research]	19th – 22nd December 2016/ Four Days
112	FDP on Agile Software Development	16th December 2016/ one Day
113	FDP on Recent Trends and Technologies in Big Data Analytics [Data Science Research]	19th – 22nd December 2016/ Four Days
114	Infosys Foundation Program 5.0	2nd -4th January 2017/ Three Days
115	Designing Intelligent Systems (DIS-2016)	3rd -7th December

		2016
116	Orientation Programme	11th -16th July 2016
117	Orientation Programme	11th -16th July 2016
118	FDP on Machine Learning and Artificial Intelligence	17th April –02nd May 2017
119	National workshop on Mathematical software	24-25 March 2017
120	GST	5th & 6th November, 2016
121	FDP on Computerised Accounting using Tally ERP 9	5th February 2016
122	NBA Orientation Workshop on Outcome Based Accreditation Process & Parameters	13th April, 2017
123	PhD Course Work organized by UGC Human Resource Development Center,RTMNU	10.04.2017 to 20.04.2017
124	National Faculty development programme in Entrepreneurship	16-30 Dec 2016
125	Orientation Programme for Newly Recruited Faculty, RCOEM, Nagpur	11th-16th July , 2016
126	Fdp at jabalpur. Computer programming and app development in matlab	10-15 OCTOBER 2016
127	FDP on Basic Data Mining algorithms and their Scalability for Big Data, IIITDM Jabalpur	16th -21st Aug., 2016
128	FDP on Computer Programming and APP Developing using MATLAB, IIITDM, Jabalpur	10th -14th Oct., 2016
129	FDP on New Paradigm in Software Engineering, Accenture Pune	16th Dec., 2016
130	STTP on National Cyber Security and digital Forensic, YCCE, Nagpur	26th-30th Dec., 2016
131	FDP on Advance Data mining algorithm and their Scalability for Big Data, IIITDM , Jabalpur	2nd-7th Jan., 2017
132	Short term course at iit roorkee mechanical dept. Finite element method for engineering applications	12 JUNE - 16 JUNE 2017
133	Short term course at delhi. Finite element method for engineering application.	12-16 JUNE 2017
134	Refrigeration and air conditioning	26TH JUNE TO 30TH JUNE 2017
135	Fundamentals of heat pipe and its applications	20TH JULY 2016
136	Project titled “Piezoelectric energy harvesting interface circuit” at IIT,Bombay	May-July 2016
137	XII IPRoMM workshop on Challenges in Manufacturing	22-23 December 2016
138	Training Program on Recent Trends and Technologies in Big Data Analytics, RCOEM, Nagpur	19th -22th Dec., 2016

<b>List of Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated period participated year wise. 2015-16</b>		
1	UGC sponsored Orientation Program	24th June 2015 - 21st July 2015
2	Sustainable construction material from industrial waste	11 oct. to 12 oct 2015.
3	Two days workshop on “Sustainable construction materials from agricultural waste” Visvesvaraya National Institute of Technology	11th to 12th October 2015
4	Two days workshop on “Building information and modeling” at Autodesk training center, Nagpur	30th -31st October 2015
5	Short Term Training Program on “Sustainable Resource Management in Construction Engineering” organized by Department of Civil Engineering, Visvesvaraya National Institute of Technology, Nagpur	22nd -26th December, 2015
6	Two days workshop on “Repairs/rehabilitation & water proofing of concrete structures” at Ambuja knowledge center, Nagpur	22nd -23rd February 2016
7	Conference on Forensic Civil Engineering	21-23 January 2016
8	Train the Trainer Workshop on "Programming with Python"	26 Feb to 27 Feb 2016
9	ISTE Approved STTP on “Virtualization and Cloud Computing”	02 Nov to 06 Nov-2015
10	ISTE Approved STTP on “Theory of Computation & its Application”	23 Nov to 27 Nov-2015
11	ISTE Approved STTP on “Virtualization and Cloud Computing”	02 Nov to 06 Nov-2015
12	Course on Developing Network Protocols on Geni	16 Dec to 20 Dec 2015
13	Course on Developing Network Protocols on Geni	16 Dec to 20 Dec 2015
14	Open Source- Data Mining Tools’ Under TEQIP–II	21 Dec to 26 Dec 2015
15	Machine Learning	25 April To 30 April 2016
16	Train the Trainer Program on "IOT"	18,20,22 January 2016
17	Open Source- Data Mining Tools’ Under TEQIP–II	21 Dec to 26 Dec 2015
18	ISTE Approved STTP on “Theory of Computation & its Application”	23 Nov to 27 Nov-2015

19	Train the Trainer Workshop on "Programming with Python"	26 Feb to 27 Feb 2016
20	Course on Developing Network Protocols on Geni	16 Dec to 20 Dec 2015
21	Infosys sponsored CampusConnect FEP on "Agile Software Development"	21 Dec to 25 Dec 2015
22	"Mobile Application Development" & Advance Databases	25 Apr to 29 Apr 2016
23	"STTP on Machine learning"	25 Apr to 30 Apr 2016
24	High Performance Computing"	23 May to 27 May 2016
25	Course on introduction to Big Data	Certificate 01-jan 2016
26	"Mobile Application Development"	24 Apr to 29 Apr 2016
27	Infosys sponsored CampusConnect FEP on "Agile Software Development"	21 Dec to 25 Dec 2015
28	Course on Developing Network Protocols on Geni	16 Dec to 20 Dec 2015
29	"Big Data and Hadoop" ISTE Approved new Delhi	04 Apr to 09 Apr 2016
30	Shot term course at iit kharagpur. Dielectric resonator antenna design and analysis	17-21 NOVEMBER 2015
31	Sttp warangal. Practical rf antenna design	6 JULY -10 JULY 2015
32	Workshop at vnit nagpur. Digital signal processing	5-7 MARCH 2016
33	Measurment practices in Instrumentation System	28/09/2015 to 03/10/2015
34	Measurment practices in Instrumentation System	28/09/2015 to 03/10/2015
35	FPGA Based digital design with Application to SDR in cognitive Environment	05/10/2015 to 09/10/2015
36	VLSI circuit Simulation Using ADS Tool	29/02/2016 to 07/03/2016
37	F.D.P. AT VNIT Nagpur. DSP for educators	5 - 7 MARCH 2016
38	One week STTP on, "FPGA based digital design with application to SDR in cognitive environment" Organised by RCOEM Nagpur	5 -9 Oct 2015
39	One week STTP on, "MICROCONTROLLER dsPIC 33EP256MC202 & its Applications in Engineering" organised by Electrical Engineering Dept RCOEM, Nagpur	28 Dec-2 Jan 2016.
40	One week STTP on, "STTP on Embedded System Design with Virtual Simulation Environment" Organised by EDT department RCOEM Nagpur.	14-18 Dec 2015.
41	One week STTP on, "MICROCONTROLLER dsPIC 33EP256MC202 & its Applications in Engineering" organised by Electrical Engineering Dept RCOEM, Nagpur	28 Dec-2 Jan 2016.
42	Three day workshop on "INUP Familiarization workshop on Nanofabrication Technologies" Organised by IIT Bombay	25-27 May 2016



43	One week STTP on, "MICROCONTROLLER dsPIC 33EP256MC202 & its Applications in Engineering" organised by Electrical Engineering Dept RCOEM, Nagpur	28 Dec-2 Jan 2016
44	One week STTP on, "MICROCONTROLLER dsPIC 33EP256MC202 & its Applications in Engineering" organised by Electrical Engineering Dept RCOEM, Nagpur	28 Dec-2 Jan 2016.
45	One week STTP on, "MICROCONTROLLER dsPIC 33EP256MC202 & its Applications in Engineering" organised by Electrical Engineering Dept RCOEM, Nagpur	28 Dec-2 Jan 2016
46	One week STTP on, "MICROCONTROLLER dsPIC 33EP256MC202 & its Applications in Engineering" organised by Electrical Engineering Dept RCOEM, Nagpur	28 Dec-2 Jan 2016.
47	One week STTP on "Power Electronics Applications in Micro-Grids:Enabling Green Energy" organised by VNIT,Nagpur	6-10 April 2016
48	One week STTP on "Power Electronics Applications in Micro-Grids:Enabling Green Energy" organised by VNIT,Nagpur	6-10 April 2016
49	One week FDP on “Applications of Power Electronics and Power Quality Improvement”organised by Electrical Engineering YCCE, Nagpur	13-18 June 2016
50	One week FDP on “Applications of Power Electronics and Power Quality Improvement”organised by Electrical Engineering YCCE, Nagpur	13-18 June 2016
51	One week FDP on “Applications of Power Electronics and Power Quality Improvement”organised by Electrical Engineering YCCE, Nagpur	13-18 June 2016
52	One week FDP on “Applications of Power Electronics and Power Quality Improvement”organised by Electrical Engineering YCCE, Nagpur	13-18 June 2016
53	One week FDP on “Applications of Power Electronics and Power Quality Improvement”organised by Electrical Engineering YCCE, Nagpur	13-18 June 2016
54	To attend sttp at vnit nagpur. Distributed generation and power quality	15-16 DECEMBER 2015
55	short term course at vnit nagpur. CONTROL METHODS FOR HIGH ELECTRIC MOTER DRIVES	18-19 JAN 2016
56	To attend sttp at vnit nagpur. Distributed generation and power quality	15-16 DECEMBER 2015

57	Sttp at warangal. Practical rf antenna design	6 JULY -10 JULY 2015
58	Workshop on VLSI circuit simulation using ADS tool	29 Feb. to 2 March, 2016
59	STTP on practical RF Antenna Design,NIT, Warangal	6-10 July 2015
60	STTP on Dielectric Resonator Antennas- Analysis and Design,IIT Kharagpur	17-21 November, 2015
61	Course on Advances in Wireless Communication and Antennas,Department of Electronics & Communication Engineering, NIT Warangal	6-14 June, 2016
62	Short Term Training Program (STTP) on “MIMO-OFDM Wireless Communication”.IIT Kanpur	19-21 February, 2016
63	3 days Hands on workshop on DSP,VNIT, Nagpur in association with Advanced Computing and Communications Society, Bangalore	5-7 March, 2016
64	ISTE approved STTP on Embedded System Design with Virtual Simulation Environment.RCOEM, Nagpur	14-18 December, 2015
65	Summer Research Fellowship Program ,IIT Bombay	30 May- 25 July, 2016
66	Two days workshop on “ Introduction to Robotics” as a part of e-Yantra Lab Setup initiative, Project sponsored by MHRD , GOI.	19-20 Feb., 2016
67	Task based Training through the e-Yantra Lab Setup initiative, Project sponsored by MHRD , GOI.	11 Feb. 2016 to 16 June, 2016
68	Workshop on Digital Signal Processing using System Generator ,RCOEM, Nagpur	3-4 November , 2015
69	STTP on Recent Trends in Communication & Networking,GHRIET, Nagpur	14- 18 Dec. 2015
70	AICTE Sponsored CEP short Term Course on Advance Computer Architecture Prototyping,IIT Kharagpur	20-25 June, 2016
71	ISTE approved STTP on Measurement Practices in Instrumentation System (MPIS),,RCOEM, Nagpur	28 <sup>th</sup> Sept – 3 Oct. 2015
72	F.D.P. AT VNIT NAGPUR. DSP FOR EDUCATORS	5-7 MARCH 2016
73	One Year Basic Course in Orinthology by Bombay Natural History Society Mumbai	1st August, 2015- 31st July, 2016
74	completed three day Six Sigma Green Belt training program organized by “Shreyas Quality Management Systems”	5th -7th Sep 2015, 12th to 14th september 2015
75	Ergonomic and User Centered Design at National Institute of Design Ahmedabad	25-27 April 2016
76	2 day workshop on Machining of advanced materials at VNIT Nagpur	4-5 Dec 2015

77	One week STTP on Effective Techniques for R&D in Engineering & Technology at PIET Nagpur	26-30 April 2016
78	one week STTP on "Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT)" held by the department of Mechanical Engineering ,(SVNIT), Surat	21-25 March2016.
79	Virtual Labs Faculty Training and Orientation Program	21st August 2015
80	Setting up of OpenShift cloud environment	14th to 31st December 2015
81	ISTE approved, one week STTP on "Virtualization and Cloud Computing"	2nd to 6th November 2015
82	ISTE approved, one week STTP on "Virtualization and Cloud Computing"	2nd to 6th November 2015
83	ISTE approved, one week STTP on "Virtualization and Cloud Computing"	2nd to 6th November 2015
84	Developing Network Protocols on GENT	16th to 20th December 2015
85	One week Faculty Development Programme on "Machine Learning with R"	4th to 9th January 2016
86	One week Skill Development Program on "Concepts of Electrical System and Computers"	14th to 18th December 2015
87	One week Skill Development Program on "Concepts of Electrical System and Computers"	14th to 18th December 2015
88	Faculty Enablement Program on "Software Testing"	4th to 8th January 2016
89	Faculty Enablement Program on "Software Testing"	4th to 8th January 2016
90	Embedded System Design with Virtual Simulation Environment	14th to 18th December 2015
91	FDP on Internet of Things	18th, 20th and 22nd January 2016
92	STTP on Machine Learning	25th – 30th April 2016
93	FDP on Internet of Things	18th, 20th and 22nd January 2016
94	Multinational Role of Applied Sciences in Natinal Development.	13-17 July 2015
95	STTP on Modeling, Computing, Simulation in Science and Engineering	6-10 July 2015
96	STTP on Modeling, Computing, Simulation in Science and Engineering	6-10 July 2015
97	Multinational Role of Applied Sciences in Natinal Development.	13-17 July 2015
98	Scientific computations(Mathematics)	2-22 December 2015
99	Instructional school on Algebra	7-19 December 2015
100	Instructional school on Field Theory	2-14 May 2016
101	Workshop at bangalore mba dept. Applied econometrics for business and finance	7-8 AUGUST 2015

102	Applied Econometrics for Business and Finance	7 <sup>th</sup> and 8 <sup>th</sup> August , 2015
103	Emerging productivity improvement techniques in manufacturing/services sectors	16-Feb-16
104	FDP on Big DATA Analytics and Optimisation , conducted at INSOFE, Hyderabad	14th Feb.-26th July, 2015
105	Workshop on gaming architecture & programming.	11-12 DECEMBER 2015
106	Workshop on machining of advance material at vnit nagpur	4 - 5 DEC 2015
107	STTP "Engineering Physics" under the National Mission on Education through ICT Conducted by IIT Bombay, held at VNIT, Nagpur	8 December -18 December 2015
108	National workshop on “Solar Energy Utilization for Sustainable Development”	23 <sup>rd</sup> to 25 <sup>th</sup> November 2015
109	“Energy Management”	23 <sup>rd</sup> - 27 <sup>th</sup> November 2015
110	One week STTP on, "MICROCONTROLLER dsPIC 33EP256MC202 & its Applications in Engineering" organised by Electrical Engineering Dept RCOEM, Nagpur	28 Dec-2 Jan 2016
111	One week STTP on, "MICROCONTROLLER dsPIC 33EP256MC202 & its Applications in Engineering" organised by Electrical Engineering Dept RCOEM, Nagpur	28 Dec-2 Jan 2016.
112	STTP on Iopen source DataMining Tools under TEQIP-II	21st -26th Dec., 2015
113	STTP on Virtualization & Cloud computing , RCOEM, Nagpur	2nd - 6th Nov. , 2015

<b>List of Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated period participated year wise. 2014-15</b>		
1	Two days STTP program at VNIT Nagpur on Building sustainability and retrofitting.	28 - 29 November 2014
2	Seismic Design of Multi-Storey Buildings: IS1893 vs. Eurocode8	7th to 9th December, 2014
3	18th National Seminar on Aerospace Structures	15th to 17th December, 2014
4	Blasting methods for Construction and Demolition	07-Feb-15
5	workshop at KDKCE on syllabus revision	27th September 2014
6	Short term training program on “Building Sustainability and Retrofitting” at Visvesvaraya National Institute of Technology	28th to 29th November 2014.
7	One day workshop on “Blasting methods for construction and demolition”: at RCEOM, Nagpur	7th February 2015
8	Latest Trends and Technology in Engineering at Infosys Pune	10-12 SEP 2014
9	FEP training on latest trends in technology in Engineering at Pune.	10-12 SEP 2014
10	Application of GPU programming in Engineering Fields-2015	20 -feb to 24 feb 2015
11	Application of GPU programming in Engineering Fields-2015	20 -feb to 24 feb 2015
12	One day Workshop on Syllabus Revision of Final Year	29-Jan-15
13	One day Workshop on Syllabus Revision of Final Year	29-Jan-15
14	Athor Workshop	16-Mar-15
15	Research Promotional Workshop on Introduction to Graph & Geometric Algorithm	15 Jan to 17 Jan-2015
16	One day Workshop on Syllabus Revision of Final Year	29-Jan-15
17	ICPCIT-2015	27 April to 28 April-2015
18	One day Workshop on Syllabus Revision of Final Year	29-Jan-15
19	One Week STTP –ISTE on “Introduction to Design of Algorithms” under blended MOOC(Massive Open Online Courses) Model.	27 May to 30 May-2015
20	“Introduction to Design of Algorithms” under blended MOOC(Massive Open Online Courses) Model.	25 May to 30 May-2015
21	One week Training program on “Free/Open Source Software”	01 June to 05 June 2015
22	One week Training program on “Free/Open Source Software”	01 June to 05 June 2015

23	Micro Electronics Mechanical System	20/04/2015 to 25/04/2015
24	Pedagogy for Effective use of ICT in Engineering Education	05/1/2015 to 07/1/2015, 08/1/2015 to 31/01/2015
25	Advanced Development in RF & Analog IC Design	22/12/2014 to 24/12/2014
26	Hands on training on Nanofabrication Technology	22/09/2014 to 26/09/2014
27	SERF program at IIT Delhi. summer faculty research fellow programme.	1 JUNE -15 JULY 2015
28	One day workshop on ' HARMONIZE YOUR RELATIONSHIP' organised by Institute of Psucho Management Studies	21-Dec-14
29	Two day workshop on ' SPIRITUALITY AND LIFE INTEGRATION' organised by Institute of Psucho Management Studies at hotel Center Point, Nagpur	1 st and 2 nd November 2014
30	Two day workshop on “Power System Analysis and Protection using Mipower” Organised by Electrical Engineering Department, VNIT, Nagpur	1 & 2 Jan 2015
31	One week STTP on "Facts and their Applications” Organised by GHRCE, Nagpur	9-13 June 2015
32	Workshop at VNIT Nagpur. power system analysis and protection using mipower	1-2 JANUARY 2015
33	One week STTP on Exposure to Scilab ,NITTTR, Kolkata	March 2-6, 2015
34	ISTE approved One Week STTP on “MEMS”. RCOEM Nagpur	20-25 APRIL 2015
35	One week STTP on RF Circuits and Systems for Industrial Applications, Department of Electrical Engg. IIT Kanpur	Sep.8-12,2014
36	Two days Professor Summit on “ Embedded System Design using Atmel XMEGA A3BU and ARM based SAM D20, VNIT Nagpur	Dec. 15-16, 2014
37	Attended Nagpur science and Engineering affairs	19-21 Feb,2015
38	A three days National Exhibition and Symposium on Innovative Futuristic Approaches in Science and Technology, Maulana Azad NIT, Bhopal	26-28 Feb, 2015
39	STTP on Embedded System Design using AVR & ARM based MCUs. Organized under ATMEL India University Program, MAEER's MIT Pune	30 March-3rd April, 2015
40	Two week ISTE STTP, on Pedagogy for Effective Use of ICT in Engg. Education. Conducted by IIT Bombay , under National Mission on Education through ICT, MHRD, GOI. YCCE, Nagpur	5-7 & 19-21 Jan. 2015
41	Visit to huawei technology delhi.	19-24 JUNE 2014

42	XIII Theory/Praxis Course conducted by the Forum on Contemporary Theory in collaboration with The English and Foreign Languages University, Shillong Campus (A Central University) and was guided by Dr Walter Mignolo, Duke University and Dr. Simon Gikandi, Princeton University	16th June, 2015 to 11th July, 2015
43	one week STTP on “Advance Quality Engineering Techniques” held at SVNIT, Surat	4th to 8th August 2014
44	“Advance Engineering Optimization through Intelligent Techniques (AEOTIP)” held at SVNIT, Surat	1/12/14 to 5/12/14
45	Export & Import with global marketing	17-01-2015
46	attended a one week STTP on “Advance Engineering optimization through intelligent Techniques” held at SVNIT, Surat	22nd June to 26th June 2015.
47	Author Workshop at VNIT, Nagpur	16th March 2015
48	Workshop on “Introduction to Graph and Geometric Algorithms”	15th to 17th January 2015
49	Workshop on “Parallel Processing and its Applications (PPA-2014)”	4th to 6th December 2014
50	“COMPUTE 2014”, The 7th ACM India Conference	9th to 11th October 2014
51	Tutorial on “Emotion Analysis and Applications”	19th to 20th December 2014.
52	Tutorial on “Machine Translation Quality Estimation: Lessons from a Typical NLP Task”	19th to 20th December 2014.
53	Tutorial on “Projection for NLP tasks in a Multi-Lingual setup”	19th to 20th December 2014.
54	Train the Trainer Workshop on “Latest Technology Trends in IT	10th to 12th September 2014
55	Train the Trainer Workshop on “Latest Technology Trends in IT	10th to 12th September 2014
56	One week faculty enablement workshop on Mobile Application Development under Campus Connect Programme	14th to 18th July 2014
57	One week faculty enablement workshop on Mobile Application Development under Campus Connect Programme	14th to 18th July 2014
58	STTP at mechanical dept. rcoem. finite element modelling, stimulation and analysis	6-10 APRIL 2015
59	STTP at mechanical dept. rcoem finite element modelling, stimulation and analysis	6-10 APRIL 2015
60	Research Methodology and data analysis	18 october- 28 December 2014
61	Research Methodology and data analysis	18 october- 28 December 2014
62	STTP at mechanical dept. rcoem finite element modelling, stimulation and analysis	6-10 APRIL 2015

63	STTP at mechanical dept. rcoem finite element modelling, stimulation and analysis	6-10 APRIL 2015
64	Workshop on Matlab and simulink	5-7 September 2014
65	STTP at mechanical dept. rcoem. finite element modelling, stimulation and analysis	6-10 APRIL 2015
66	Workshop at mumbai. Latest trends and technology in engg.	10-12 SEP 2014
67	International conference on evidence based management to bits pilani. 20-21 march 2015	20-21 march
68	National Workshop on Multivariate Data Analysis and Structural Equation Modeling	9th to 12th December, 2014
69	Workshop on "Data Analytics for Research in Management and Social Sciences"	30th October to 1st November, 2014
70	UGC sponsored 3 days Workshop on Research Methodology	23 <sup>rd</sup> March to 25 <sup>th</sup> March, 2015
71	AICTE Sponsored Research Methodology Workshop	23 <sup>rd</sup> to 25 <sup>th</sup> March 2015
72	FDP on Mobile App Development, Organised by Infosys Limited, Nagpur	14th -18th July, 2014
73	Workshop at vnit, nagpur. Parallel processing and its applications	4-6 DECEMBER 2014
74	Workshop. Research methodology rtmnu nagpur	20-26 APRIL 2015
75	STTP on Cloud computing and virtualization, Organised by G H R C O E, Nagpur	31st Dec 2014 to 4th Jan., 2015
76	STTP at sv nit surat. Advance engineering optimization through intelligence technique	1 -5 December 2014
77	STTP at surat. fundamentals and special topics in fluid mechanics	1- 5 JUNE 2015
78	Seminar at vniit, nagpur vibration analysis and condition monitoring	18-20 MARCH 2015
79	UGC sponsored orientation Programme at Academic Staff College, RTMNU , Nagpur	25 June - 22 July 2014
80	Refresher course in IT- Applications held at UGC Academic Staff College, RTMNU , Nagpur	11 February-3 March 2015
81	WORKSHOP AT VNIIT NAGPUR. MATERIALS SYNTHESIS TO DIVERSE APPLICATIONS.	18-22 DECEMBER 2014
82	ISTE approved Self-financed Short Term Training Programme on "Recent Trends in Heat Exchangers"	22th to 26th September 2014
83	"Power Plant Familiarization"	19 <sup>th</sup> to 21 <sup>st</sup> January 2015
84	"Energy Efficient Technology"	3rd March 2015
85	ISTE approved Self-financed Short Term Training Programme on "Finite Element Modeling Simulation and Analysis (FEMSA-15)"	6th April to 10th April 2015