

ANNUAL REPORT 2019-20

I.T.S Engineering College affiliated to Dr. A. P. J. Abdul Kalam Technical University Uttar Pradesh (AKTU), Lucknow and approved by All India Council for Technical Education (AICTE), Ministry of Human Resources Development (MHRD), Govt. of India, The College has unremittingly championed the cause of technical education. The institute ensures academic acumen, students' holistic development, state-of-the-art infrastructural facility and sturdy placement opportunities for a wholesome learning environment that nurtures and promotes all round growth of our young guns.

The purpose of this annual report is to showcase the numerous FDP Programs and Research that ITS teachers engaged in throughout the 2019-20 year. Student learning results are greatly impacted by the Commitment of teachers, and improve their learning opportunities, encourage to create a supportive classroom atmosphere.

This yearly report showcases the Programs and contribution towards Research that teachers have implemented to demonstrate their dedication to professional development, student-centered learning, and community engagement. Teachers' efforts have resulted in the creation of a stimulating learning environment that encourages diversity, academic performance, and overall development. Teachers' commitment and imagination are essential in enabling pupils to be ready for the chances and challenges that await them in the future. Parents, students, and the institute management would like to thank the teachers for their outstanding work during the reporting period.

Table 1 presents the summary of the programmes undertaken by the teachers and Non-Teaching Staff in 2019-20.

Table 1: FDP and Training undertaken by the teachers and Non-Teaching Staff in 2019-20.

Academic session	Number of Teaching staff participated in FDP / PD / Administrative Training programs	Number of non-teaching staff participated in FDP / PD / Administrative Training programs
2019-20	85	161

Table 2: Details of FDP attended by teaching staff in 2019-20.

Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)	Venue
Dr. Praveen Chandra Jha	FDP on Universal Human values and Professional Ethics	04th July to 11th July 2019	IEC GZB
Dr. Sanjay Yadav	FDP on Mechanical Design Techniques for Academic and Industrial Environment	8th July 2019 to 20th July 2019	JSS, Noida

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Mr.Rohan Srivastava	FDP on Mechanical Design Techniques for Academic and Industrial Environment	8th July 2019 to 20th July 2019	JSS, Noida
Dr. Devesh Garg	FDP on Current Research Trends in Artificial Neural Networks.	08th July to 12th July 2019	AKGEC GZB
Dr.Vijay Shukla	FDP on Current Research Trends in Artificial Neural Networks.	08th July to 12th July 2019	AKGEC GZB
Mr.AbhishekShivare	FDP on Courseware creation using Moodle for Outcome Based Education	08th July to 05th September 2019	Integral University, Lucknow
Mr. Kunal Kumar Singh	FDP on Introduction to the Technical Drawing	09th July to 13th July 2019	IIT, Kanpur
Mr.Mukesh Kumar	FDP on Internet of things and its Application	09th July to 13th July 2019	I.T.S Engineering College, Greater Noida
Mr. Kunal Kumar Singh	FDP on Advancements in I. C Engines	09th July to 13th July 2019	IEC Group, Greater Noida
Mr. Manvendra Yadav	FDP on Managing Starup Incubation and Ecosystem for the Faculty	14th July to 18th July 2019	IIM Lucknow
Mr. BhupeshOjha	FDP on Solar Energy-A Sustainable Future	15th July to 20th July 2019	IPEC, Ghaziabad
Ms. Neha Gupta	FDP on Solar Energy-A Sustainable Future	15th July to 20th July 2019	IPEC, Ghaziabad
Mr. Madan Mohan Puram	FDP on Solar Energy-A Sustainable Future	15th July to 20th July 2019	IPEC, Ghaziabad
Dr. Akant Kumar Singh	FDP on Solar Energy-A Sustainable Future	15th July to 20th July 2019	Inderprastha Engineering College, Ghaziabad
Dr.Deepa Singh	FDP on Solar Energy-A Sustainable Future	15th July to 20th July 2019	I.T.S Engineering College, Greater Noida
Dr. Sanjay Yadav	FDP on Solar Energy-A Sustainable Future	15th July to 20th July 2019	I.T.S Engineering College, Greater Noida
Mr. Chetan Dixit	FDP on Industrial Automation	22th July to 26th July 2019	I.T.S Engineering College, Greater Noida
Mr. Brijesh Kumar	FDP on Principle of metal forming technology	July to Sept 2019	NPTEL
Mr.Brijesh Kumar	FDP on Welding Metallurgy	July to Oct 2019	NPTEL
Mr. Abhishek Rai	FDP on Soft Skills	July to Oct 2019	NPTEL AICTE
Dr. Harsh Gupta	FDP on Manufacturing Process	21st August to 25th August 2019	IIT, Kanpur
Mr. Brijesh Kumar	FDP on Manufacturing Process Conducet	21st August to 25th August 2019	IIT, Kanpur
Mr.Rohan Srivastava	MDP on Effective communication for Managerial Success	30th August 2019 to 01st September 2019	IIM Lucknow, Noida Campus
Mr.Sandeep Kumar	MDP on "Effective communication	30th August 2019 to	IIM Lucknow, Noida

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	for Managerial Success”	01st September 2019	Campus
Mr.Sandeep Kumar	FDP on Python for Data Science	August to September 2019	NPTEL AICTE
Mr.AdityaDayalTyagi	FDP on Cloud Computing	August to October 2019	NPTEL AICTE
Mr. Manvendra Yadav	FDP on Manufacturing of Composites	August to October 2019	NPTEL AICTE
Mr. Abhishek Shivhare	FDP on Cyber Crimes and Forensics	23rd September to 27th September 2019	NITTR, Chandigarh
Dr. Akant Kumar Singh	FDP on Product Realization using 3D Printing	28th September to 02nd October 2019	Indian Institute of Technology Kanpur
Mr. Manvendra Yadav	FDP on Product Realization using 3D Printing	28th September to 02nd October 2019	IIM Lucknow
Dr. Akant Kumar Singh	FDP on Innovative Technologies in Mechanical Engineering	18th October to 19th October, 2019	KIET Group of institute, Ghaziabad
Mr. Amit Kumar Gupta	FDP on Short Term Course on Modern Measurement and Diagnostic Applications in Fluid and Thermal Engineering	9th November to 13th November 2019	IIT,Roorkee
Dr. Devesh Garg	FDP on Python Programming with Industry Prespective	02nd December to 06th December 2019	I.T.S Engineering College, Greater Noida
Mr. Mohit kumar Saxena	FDP on Scheme of Financial Assistance for setting up of Electronics and ICT.	02nd December to 06th December 2019	Ministry of Electronics and Information, Govt. of India.
Mr.Chetan Dixit	FDP on Advancement in I.C. Engines	03rd December to 14th December 2019	IEC Group of Institutions, Greater Noida
Dr. Sanjay yadav	FDP on Advancements in I.C. Engine	3rd December 2019 to 14th December 2019	IEC Group of Institutions, Greater Noida
Ms.Neha Gupta	FDP on Advancement in I.C. Engines	3rd December 2019 to 14th December 2019	IEC Group of Institutions, Greater Noida
Dr. Akant Kumar Singh	FDP on Advancements in I.C. Engines	3rd December 2019 to 14th December 2019	IEC Group of Institutions, Greater Noida
Mr. Manvendra Yadav	FDP on Advancements in I.C. Engines	3rd December 2019 to 14th December 2019	IEC Group of Institutions, Greater Noida
Mr.Abhishek Rai	FDP on Education Training Technology and Best Practice	05th December to 07th December 2019	Hitex Exhibition Center,Hyderabad
Mr.BhupeshOjha	FDP on Next Generation Materials and Manufacturing	16th December to 28th December,2019	IMS, Ghaziabad

Dr.Devesh Garg	FDP on Scheme of Financial Assistance for setting up of Electronics and ICT.	23th December to 27th December 2019	I.T.S Engineering College, Greater Noida
Dr.Devesh Garg	FDP on Deep Learning and Application.	09th December to 13th December 2019	I.T.S Engineering College, Greater Noida
Dr.Devesh Garg	FDP on ICT Tools for Teaching	13th January to 17th January 2020	GNIOT, Greater Noida
Dr.Devesh Garg	FDP on Blockchain Technology	17th January to 21st January 2020	I.T.S Engineering College, Greater Noida
Mr.Aditya Dayal Tyagi	FDP on Blockchain Technology	17th January to 21st January 2020	I.T.S Engineering College, Greater Noida
Mr. Sandeep Kumar	FDP on Blockchain Technology	17th January to 21st January 2020	I.T.S Engineering College, Greater Noida
Mr. Abhishek Shivhare	FDP on Blockchain Technology	17th January to 21st January 2020	I.T.S Engineering College, Greater Noida
Mr. Mukesh Kumar	FDP on Blockchain Technology	17th January to 21st January 2020	I.T.S Engineering College, Greater Noida
DrArti Dua	FDP on Universal Humun Values Refresher 1(Part 1)(Organised by AICTE)	22nd February to 26th February 2020	Online
Mr. Madan Mohan Puram	FDP on Advanced and Innovative Manufacturing Technologies	04th February to 08th February 2020	I.T.S Engineering College, Greater Noida
Dr. Praveen Chandra Jha	FDP on Effective Teaching and Learning Process and Research Methodology	24th February to 28th February 2020	SGIT GZB
Mr.Yogesh Kumar Sharma	FDP on Machine Learning and Data Analysis	15th April to 22th April 2020	IIT Roorkee
Ms.Mohini Chakarverti	FDP on Machine Learning and Data Analytics Using Python	06th May to 14th May 2020	IIT Roorkee
Dr.Rakesh Kumar Garg	FDP on Emerging Business Issues	11th May to 15th May 2020	School of Management Studies, Tezpur University, Assam.
Ms.Shivani Tufchi	FDP on Deep Learning and Application	11th May to 20th May 2020	IIT Roorkee
Mr.Yogesh Kumar Sharma	FDP on Learning Management System	16th May to 20th May 2020	HRDC University,LUCKNOW
Mr. Abhishek Shivhare	FDP on Research Methodology Tools and Techniques	18th May to 22th May 2022	IILM College, Greater Noida
Mrs. Lalita Chaudhary	FDP on Research Methodology Tools and Techniques	18th May to 22th May 2022	IILM College, Greater Noida
Mr.Yogesh Kumar Sharma	FDP on Research Methodology Tools and Techniques	18th May to 22th May 2022	IILM College, Greater Noida

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Mr.Mukesh Kumar	FDP on Research Methodology Tools and Techniques	18th May to 22th May 2022	IILM College of Engineering & Technology.
DrRenu Chaudhary	FDP on Juggling in the Midst of the New Normal	25th May to 29th May 2020	KIET Group of institute, Ghaziabad
Dr. Deepa Singh	FDP on Juggling in the Midst of the New Normal	25th May to 29th May 2020	KIET Group of institute, Ghaziabad
DrArtiDua	FDP on Juggling in the Midst of the New Normal	25th May to 29th May 2020	KIET Group of institute, Ghaziabad
Dr. Sanjay kumar Mishra	FDP on Universal Human Values and Professional Ethics	25th May to 21st June 2020	I.T.S Engineering College, Greater Noida
Mr.BhupeshOjha	FDP on Enhancing teaching competency	26th May to 30 May 2020	GL Bajaj Institute of technology and management, Gr. Noida
Mr.Brijesh Kumar	FDP on Enhancing Teaching Competency	26th May to 30 May 2020	GL Bajaj Institute of technology and management, Gr. Noida
Dr. Aseem Kumar Mishra	FDP on Enhancing Teaching Competency	26th May to 30 May 2020	GL Bajaj Institute of technology and management, Gr. Noida
Dr.Harsh Gupta	FDP on Enhancing teaching competency	26th May to 30 May 2020	GL Bajaj Institute of technology and management, Gr. Noida
Dr. Akant Kumar Singh	FDP on Life Cycle Analysis for Sustainability	27th May to 31st May 2020	Engineering College Bikaner, Rajasthan
Mr. Abhishek Shivhare	FDP on Operation Management : Developing New Perspective in the Era of AI/ML	30th May to 04th June 2020	MIT,Meerut
Mr.KartikRastogi	FDP on Global Pandemic Outbreak Role of Technology & Automation	01st June to 05th June 2020	JSSATE,Noida
Mr. Abhishek Shivhare	FDP on Global Pandemic Outbreak Role of Technology & Automation	01st June to 05th June 2020	JSSATE,Noida
Mr.Mukesh Kumar	FDP on Global Pandemic Outbreak Role of Technology & Automation	01st June to 05th June 2020	JSSATE,Noida
Ms.Mohini Chakarverti	FDP on Global Pandemic Outbreak Role of Technology & Automation	01st June to 05th June 2020	JSSATE,Noida
Mr.KartikRastogi	FDP on cyber security	3rd June to 5th June 2020	Anurag University

Mr.Sandeep Kumar	International FDP on “Recent Advances in Computer Science and Allied Domains (RACAD-2020)	8th June to 12th June 2020	Sharda University, Greater Noida
Mr.Mukesh Kumar	International FDP on “Recent Advances in Computer Science and Allied Domains (RACAD-2021)	8th June to 12th June 2020	Sharda University, Greater Noida
Mrs.SureshWati	International FDP on “Recent Advances in Computer Science and Allied Domains (RACAD-2022)	8th June to 12th June 2020	Sharda University, Greater Noida
Mrs. Lalita Chaudhary	FDP on Pedagogy in Management and Computer Science Education in Post Covid Era	12th June to 13th June 2020	KCES,Jalgaon
Dr.Ashish Kumar Gupta	FDP on Transforming Education With Industry 4.0	15th June to 20th June 2020	JaypeeUniversity,Waknaghat,Salon,HP
Mr.BhupeshOjha	FDP on Electric Vehicles: New trends and technologies	22th June to 26th June 2020	ABESEC, Ghaziabad
Ms.Mohinichakarverti	FDP on ways to Improve Carrer Skills During Covid 19 Pandemic.	24th June to 26th June 2020	TeerthankarMahaveer University, Moradabad
Ms.Mohinichakarverti	FDP on Machine Learning and its Applications	29th June to 03rd July 2020	AKGEC GZB
Mr.Mukesh Kumar	FDP on Python Programming	29th June to 03rd July 2020	R.D Engineering College (Online)

Table 3 presents the summary Research Paper and Book Chapter Published by the teachers in 2019-20.

Table3: Research Paper and Book ChapterPublished by the teachers in 2019-20.

Academic Year	Research Paper published by teachers	Book Chapter Published by Teachers
2019-20	15	6

Table 4 :Details of Research Paper Published by teaching staff in 2019-20.

Title of paper	Name of the author/s	Department	Name of journal	Calendar Year of publication	ISSN number
A Novel Scheme for Medical Image Compression using Huffman and DCT with Water Marking	Dr. Monika Jain	ECE	International Journal of Future Generation Communication and Networking, Vol. 13 No. 03, pp. 2037-2049 (2020)-ESCI.	2019-20	ISSN: 2233-7857 (Online)



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Early Onset/Offset Detection of Epileptic Seizure using M-band Wavelet Decomposition”,	Dr. Garima Chandel	ECE	International Journal of Biomedical Engineering and Technology (IJBT)	2019-20	ISSN (print): 1752-6418•ISSN (online): 1752-6426
CFD and Thermo-Hydraulic Analysis of Multiple Arc Roughened Absorber Plate with Gaps used in Solar Air-Heaters	Dr. Sanjay Yadav	ME	International Journal of Ambient Energy	2019-20	Print ISSN: 0143-0750 Online ISSN: 2162-8246
Characterisation& Experimental investigation of rheological behaviour of oxide nanolubricants.	Mr. Harsh Gupta	ME	Particulate Sc. & Technology	2019-20	Print ISSN: 0272-6351 Online ISSN: 1548-0046
Chromatic Dispersion Induced Semi Optical Pulse Stretching Approach to Beam Steering Applications of Phase Array Antenna	Mr. Chandan Kumar	ASH	Wireless Personal Communications(SC IE,IF-1.062)	2019-20	Electronic ISSN 1572-834X Print ISSN 0929-6212
Modified k-string in composition vector method for DNA sequence comparison based on maximum entropy principle	KP Singh, Dr Ashish Kumar, DrManoj Gupta	CSE	Journal of Interdisciplinary mathematics	2019-20	Print ISSN: 0972-0502 Online ISSN: 2169-012X
Mechanical and Fracture peculiarity of polypropylene-based functionally graded materials manufactured via injection molding	Akant Kumar Singh, Siddhartha and Sanjay Yadav	ME	International Polymer Processing	2019-20	ISSN: 2195-8602
Development and investigation on transmission efficiency of functionally graded materials based Polybutylene terephthalate spur gears	Akant Kumar Singh and Siddhartha	ME	Journal of Engineering Tribology	2019-20	ISSN: 1350-6501 Online ISSN: 2041-305X



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Transmission efficiency of functionally graded material based HDPE spur gears	Akant Kumar Singh, Siddhartha, Sanjay Yadav, Prashant Kumar Singh	ME	Materials Today: Proceedings	2019-20	Online ISSN: 2214-7853
Mechanical peculiarity of nano BN filled polyester based homogeneous nanocomposites and their FGMs – A comparative study	Akant Kumar Singh, Sanjay Yadav, Siddhartha	ME	Materials Today: Proceedings	2019-20	Online ISSN: 2214-7853
Energy Efficient Charging for Electric and Solar Assisted Vehicles	Dr. Monika Jain	ECE	International Journal of Disaster Recovery and Business Continuity	2019-20	ISSN: 2005-4289 (Print) ISSN: 2207-8363 (Online)
A Novel Scheme for Industrial Safety and Security with GSM	Dr. Monika Jain	ECE	International Journal of Grid and Distributed Computing	2019-20	ISSN: 2005-4262 (Online)
A Novel Approach for ECG Signal Analysis using LabVIEW Techniques	Dr. Monika Jain	ECE	International Journal of Advanced Science and Technology	2019-20	ISSN: 2005-4238 (Print) ISSN: 2207-6360 (Online)
Novel Method Of Secure Communication Using Logistic Map	Rakhi Agarwal	CSE	International Journal of Recent Technology and Engineering	2019-20	ISSN: 2277-3878
Patient Specific Seizure Onset-Offset Latency Detection using Long- term EEG Signals	DrGarima Chandel	ECE	International Conference on Electrical, Electronics and Computer Engineering (UPCON-2019)	2019-20	DOI: 10.1109/U PCON472 78.2019.89 80068



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Table 5: Details of Books and chapters published in edited volumes/books.

Name of the teacher	Title of the book/chapters published	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
Ashish Gupta	Innovations in Electronics and Communication Engineering	International	2019-20	978-981-15-3172-9	ITSEC, Greater Noida	Springer Singapore
Ashish Gupta	Innovations in Electronics and Communication Engineering	International	2019-20	978-981-15-3172-9	ITSEC, Greater Noida	Springer Singapore
Dr. Sunita Shukla	Marketing to Centennials in Digital World	National	2019-20	978-93-86895-57-8	ITS Engineering College, Greater Noida	Bazooka.com
Dr. Kamal Gupta	Marketing to Centennials in Digital World	National	2019-20	978-93-86895-57-8	ITS Engineering College, Greater Noida	Bazooka.com
Dr. Pallavi	Marketing to Centennials in Digital World	National	2019-20	978-93-86895-57-8	ITS Engineering College, Greater Noida	Bazooka.com
Agha A. Husan	Innovations in Electronics and Communication Engineering	International	2019-20	978-981-15-3172-9	ITSEC, Greater Noida	Springer Singapore