

I.T.S Engineering College

A unit of Durga Charitable Society

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ANNUAL REPORT 2021-22

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 nurses 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 2021-22 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 2021-22.

Table 1:FDP and Training undertaken by the teachers and Non-Teaching Staff in 2021-22.

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
2021-22	55	0



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Table 2: Details of FDP attended by teaching staff in 2021-22.

Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)	Venue
Mr. Agha Asim Husain	ATAL FDP on Intelligent Transport Systems	05th July to 09th July 2021	Hindustan Institute of Technology and Science. (Online)
Mr. Aditya Tyagi	Recent Trends in Computer Science	06th July to 10th July,2021	GL Bajaj Institute of technology and management, Gr. Noida
Dr. Vasudha Arora	Online Elementary FDP on "Artificial Intelligence for Computer Vision	12th July to 16th July ,2021	Indian Institute of Technology, Roorkee.
Ms. Manju Singh	ATAL FDP on Industry Oriented FDP on Data Science	19th July to 23rd July 2021	MSME-Technology Development Centre (PPDC), Meerut. (Online)
Dr. Vasudha Arora	Research Trends in Computer Vision and Natural Language Processing	19th July to 23rd July,2021	North Cap University
Ms. Manju Singh	Industry Oriented FDP on Data Science	19th July to 23rd July,2021	MSME-Technology Development Centre (PPDC), Meerut (Sponsored by ATAL)
Dr. Monika Jain	IoT and Its Application in Industry	19th July to 24th July, 2021	SMIT, Manipal
Mr.Praveer Saxena	FDP on Data Analysis Using Excel	20th July to 24th July 2021	E & ICT Academy, IIT Kanpur (A Joint Initiative of MeitY & IIT Kanpur)
Mr. Devesh Garg	Online Elementary FDP on "Deep learning for computer vision" 26th July to 30th July,2021		KIET GROUP OF Institutions
Mr. Aditya Tyagi	Online Elementary FDP on Data Science	16th August to 20th August,2021	GL Bajaj Institute of technology and management, Gr. Noida



Mr. Agha Asim Husain	FDP on Deep learning for computer Vision	23rd August to 28th August,2021	Panimalar Engineering College (Online)
Mr. Agha Asim Husain	FDP on A2Z of NBA Accreditation Process	24th August to 9thSeptember,2021	Inderprastha Engineering College, Ghaziabad.
Dr.Monika Jain	FDP on A2Z of NBA Accreditation Process	24th August to 9thSeptember,2021	Inderprastha Engineering College, Ghaziabad.
Dr. Setu Garg	FDP on A2Z of NBA Accreditation Process	24th August to 9thSeptember,2021	Inderprastha Engineering College, Ghaziabad.
Mr. Aditya Tyagi	FDP on "a2z of NBA Accreditation Process"	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad.
Mr. Abhishek Shivhare	FDP on "a2z of NBA Accreditation Process"	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad.
Mr. Devesh Garg	FDP on "a2z of NBA Accreditation Process"	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad.
Dr. Setu Garg	FDP on Recent Advancement & 6th September, 2 Electrical & Electronics Engineering.		Raj Kumar Goel Institute of Technology, Ghaziabad, Uttar Pradesh
Ms. Manju Singh	Online FDP on Internet of Things with Machine Learning & Artificial Intelligence 13th Septembe 17th Septemb		I.T.S Engineering College, Greater Noida
Dr. Setu Garg	FDP on Internet of things (IOT) With machine Learning & Artificial Intelligence	13th September to 17th September,2021	I.T.S Engineering College, Greater Noida
Mr. Aditya Tyagi	FDP on ""Internet of Things (IOT) with Machine Learning & Artificial Intelligence""	13th September to 17th September,2021	ITS Engineering College
Ms. Prachi Jain	FDP on IoT and Its application	23rd November to 27th November,2021	RGPV (Rajiv Gandhi Vishwidhlya)
Ms. Manju Singh	FDP on Artificial Intelligence and Machine Learning	04th October to 8th October, 2021	Online
Ms. Akansha Sharma	FDP on "Introduction To Deep Learning	20th December to 24th December,2021	University Visvesvaraya College of Engineering.
Mr. Tarun Chugh	NBA Accrediation Teaching and Learning in Engineering	Jan-Apr 2022	NPTEL Swayam



Mr. Aditya Tyagi	Data Science Tools (DST - 2022)	01st February to 06th February,2022	Jaypee Institute of Information Technology, Noida
Dr. Ashish Kumar	FDP on Recent Advances in Deep Learning	07th March to 11th March, 2022	SSN College of Engineering
Sana Vakeel	Business Analytics	05th July to 09th July,2021	Jaipuria Institute of Management, Jaipur, AICTE Training And Learning (ATAL) Academy
Dr. Vasudha Arora	ATAL FDP on "Artificial Intelligence for Computer Vision"	12th July to 16th July,2021	Indian Institute of Technology, Roorkee
Mr. Abhishek Rai	Online Workshop on "Inculcating Universal Human Values in Technical Education" organised by AICTE, India.	24th August to 28th August, 2021	AICTE-Online
Mr. Prabhakar Sharma	Recent Advances and Application of IoT in Renewable Energy Technologies	23rd August to 27th August,2021	IGNOU, New Delhi (Sponsored by ATAL)
Mr. Agha Asim Husain	Deep Learning for Computer Vision	23rd August to 27th August,2021	Panimalar Engineering College (Sponsored by ATAL)
Dr. Monika Jain	a2z of NBA Accreditation Process	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad
Dr O P Chaudhary	Online FDP on " a to z NBA Accreditation Process "	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad
Dr Renu Chaudhary	Online FDP on " a to z NBA Accreditation Process "	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad
Dr Arti Dua	Online FDP on " a to z NBA Accreditation Process "	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad
Mr. Chandan Kumar	Online FDP on " a to z NBA Accreditation Process "	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad
Mr. Abhishek Rai	Online FDP on " a to z NBA Accreditation Process "	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad



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Dr. Setu Garg	Online FDP on " a to z NBA Accreditation Process "	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad
Mr. Agha Asim Husain	Online FDP on " a to z NBA Accreditation Process "	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad
Mr. Rakesh Kumar Garg	Online FDP on " a to z NBA Accreditation Process "	24th August to 09th September,2021	Inderprastha Engineering College, Ghaziabad
Dr. Setu Garg	Recent Advancement & Future Scope of Research in Electrical & Electronics Engineering	06th September to 10th September, 2021	RKGIT, Ghaziabad
Dr. Ashish Kumar	FDP "Curriculum design with CBCS and framework for OBE based Syllabus: Blooms Taxonomy Levels, Assessment Patterns (Rubrics) and Attainment of Outcomes	10th September to 12th September,2021	eAcademy foundation
Dr. Monika Jain	IoT with Machine Learning & 13th September 17th September, 20		ITSEC, Gr. Noida (Sponsored by ATAL)
Dr. Setu Garg	IoT with Machine Learning & Artificial Intelligence	13th September to 17th September,2021	ITSEC, Gr. Noida (Sponsored by ATAL)
Ms. Manju Singh	IoT with Machine Learning & Artificial Intelligence	13th September to 17th September,2021	ITSEC, Gr. Noida (Sponsored by ATAL)
Mr. Chandan Kumar	Online Elementary FDP on ""Internet of Things (IOT) with Machine Learning & Artificial Intelligence" from 13/09/2021 to 17/09/2021at ITS Engineering College.	13th September to 17th September,2021	ITSEC, Gr. Noida (Sponsored by ATAL)
Ms. Manju Singh	Artificial Intelligence and Machine Learning	04th October to 08th October,2021	NIT, Raipur (Sponsored by ATAL)
Dr. Divya Mishra	FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE)	22nd November to 26th November,2021	AICTE-Online



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Ms. Manju Singh	Machine Learning Application in Signal Processing and Communication Engineering	03rd January to 08th January,2022	Electronics & ICT Academy (Sponsored by MeitY, Govt. of India, IIT Guwahati)
Dr. Sunita Shukla	NBA Accriditation and Teaching Learning in Engineering	Jan- April 2022	Online NPTEL - AICTE
Mr. Chetan Dixit	Inculcating Human values in Technical Education	07th February to 11th February,2022	Online_AICTE
Dr. Ashish Kumar	FDP on "Recent Trends in Deep Learning and Its Applications	07th March to 11th March,2022	SSN College of Engineering, Chennai,
Pratik Dwivedi	"Unleashing Research Potential: Global Trends and Practices	07th March to 11th March,2022	School of Business, Galgotias University, Greater Noida
Dr. Monika Jain	Brain Mapping and Artificial Intelligence	28th March to 06th April,2022	IIT, Delhi

Table 3 presents the summary Research Paper and Book Chapter Published by the teachers in 2021-22.

Table3:Research Paper and Book ChapterPublished by the teachers in 2021-22.

Academic Year	Research Paper published by teachers	Book Chapter Published by Teachers
2021-22	7	4

Table 4: Details of Research Paper Published by teaching staff in 2021-22.

Title of paper	Name of the author/s	Department	Name of journal	Calendar Year of publication	ISSN number
Solar energy capacity assessment and performance evaluation of a standalone PV system using PVSYST	Dr. Mohit Saxena	ASH	Materials Today: Proceedings	2021-22	Online ISSN: 2214-7853



Recent advances on nano-adsorbents and nanomembranes for the remediation of water	Dr. Nidhi Puri	ASH	Journal of Cleaner Production	2021-22	Print ISSN: 0959-6526 Online ISSN: 1879-1786
Insights to improve the tribo-performance of materials used under slurry erosion applications: A review	Akant Kumar Singh	ME	Journal of Materials: Design and Applications	2021-22	ISSN: 1464- 4207 Online ISSN: 2041-3076
Investigations on noise emission from functionally graded materials based polymer spur gears	Dr. Akant Kumar Singh & Dr. Sanjay Yadav	ME	Materials Today: Proceedings	2021-22	Online ISSN: 2214-7853
Investigation of solid particle erosion behavior of Al-Al2O3 and Al-ZrO2 metal matrix composites fabricated through powder metallurgy technique	Mr. Manvend ra Yadav	ME	Tribology International	2021-22	ISSN: 0301- 679X
A Liver Damage Prediction Using Partial Differential Segmentation with Improved Convolutional Neural Network	Monika Jain	ECE	Journal of Healthcare Engineering	2021-22	ISSN: 2040- 2295 (Print) ISSN: 2040- 2309



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An IEEE single- precision arithmetic based beam former architecture for phased array	Navneet Kumar	ECE	Engineering Science and Technology, an International	2021-22	Online ISSN: 2215-0986
phased array ultrasound imaging			International Journal		
system			Journal		

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
Kshatrapal Singh, Manoj Kumar Gupta & Ashish Kumar	Intelligent Systems	International	2021-22	978-981- 16-2248-9	I.T.S Engineering College	Springer, Singapore
Kuldeep Chouhan, Ashish Kumar, Ashish Kumar Chakraverti & Ravindra Raman Cholla	Proceedings of Trends in Electronics and Health Informatics	International	2021- 22	978-981- 16-8826-3	I.T.S Engineering College	Springer, Singapore
Ashish Kumar; Melanie Elizabeth Lourens; Nitin Tiwari; Pranav Dass; Suresh Kumar M V etal.	International Conference on Advance Computing and Innovative Technologies in Engineering	International	2021- 22	978-1- 6654-3789- 9	I.T.S Engineering College	IEEE



Ruchi Goel, Pavi						
Saraswat, Prashant Naresh, Anuradha Tomar, Yogesh Kumar Sharma	Emerging Technology in Computing.	International	2021- 22	978-100- 31-21466	I.T.S Engineering College	Chapman and Hall/CRC