

ABOUT ANGEC

Ajay Kumar Garg Engineering College (ANGEC), Ghaziabad is affiliated with Dr. A.P.J. Abdul Kalam Technical University, Lucknow, and is approved by the All India Council for Technical Education. The college was established in 1998 & offers B. Tech courses in various disciplines of Engineering namely Computer Science and Engineering, Information Technology, Computer Science and Engineering in Artificial Intelligence, Machine Learning, Computer Science and Engineering in Data Science, Computer Science, Computer Science and Information Technology, Electronics Communication Engineering, Electronics and Instrumentation Engineering, Electrical and Electronics Engineering, Industrial Engineering, Civil Engineering, the college offers M. Tech in Electronics Communication Engineering, Computer Science and Engineering, Electronics Electronics Engineering, and Mechanical Engineering. The college is accredited by NAAC. The college has set up India's first Artificial Training Centre in collaboration with IITMVA Institute of Germany. In addition to this, ANGEC is the only institute to have following status of the art Centers of Excellence in collaboration with various multinational companies to provide industry relevant training and project exposure which offers Global employability to students.

- ANGEC is Lifetime Academy
- ANGEC is ISO 9001:2015 Certified for Quality Management System
- ANGEC is ISO 14001:2015 Certified for Environmental Management System
- ANGEC is ISO 27001:2017 Certified for Information Security Management System
- ANGEC is ISO 45001:2018 Certified for Occupational Health and Safety Management System

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering at ANGEC was formed in 1998. The department provides an outstanding research environment comprising by facilities in training. For this in respect, the department has been a performing institute for higher education, research and innovation in key areas of Computer Science.

The department provides the support to its faculty scholars in terms of institutional guidance, lab facilities, and access to international and national journals. Experienced and senior faculty members are assigned to mentor and coordinate work of the scholars. In fact, scholars have published good quality research papers in peer reviewed and indexed journals and international conferences under the guidance of their supervisors in the previous years. The department creates a good quality work through regular seminars and workshops of at least two research papers in peer reviewed and indexed journals and international conferences, plagiarism check using iThenticate plagiarism check tool, pre-submission check, and content monitoring.

Objective of the FDP

- To enhance faculty members' understanding and knowledge of AI in the field of Cyber Security.
- To equip faculty members with practical skills and techniques related to Advanced Cyber Security.
- To foster collaboration among faculty members, promoting the exchange of ideas and experiences in AI and Cyber Security.
- To empower faculty members to integrate AI concepts and technologies into their teaching methodologies.
- To encourage faculty members to conduct research and publications in the intersection of AI and Cyber Security.

ORGANIZING COMMITTEE PATRON

Dr. R.K. Agarwal
Director General, ANGEC

CONVENER

Dr. Sanita Yadav
Head of Department
Computer Science & Engineering, ANGEC

COORDINATORS

Dr. Rajesh Prasad
Professor
Computer Science & Engineering, ANGEC

Dr. Sonam Gupta
Associate Professor
Computer Science & Engineering, ANGEC

CO-COORDINATOR

Dr. Charu Agarwal
Associate Professor
Computer Science & Engineering, ANGEC

ORGANIZING TEAM

Mr. Pradeep Gupta
Assistant Professor

Ms. Megha Gupta
Assistant Professor

Mr. Sachin Jain
Assistant Professor

WELFARE TO THE PARTICIPANTS

No Registration Fees. Each participant will get an e- certificate after successful completion of the FDP.

WHO CAN APPLY

Research Scholars, Academics, and Industry Person. Participants will be shortlisted based on a first come first serve basis.

RESOURCE PERSONS

Resource persons to conduct the program are experts from industry and academia with an excellent track record of accomplishments in technical education, research, and outreach.

REGISTRATION

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<https://fs>


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Ghaziabad

Ajay Kumar Garg Engineering College, Ghaziabad
Department of Computer Science & Engineering



One Week Faculty Development Program

on

Advancement of Artificial Intelligence In Cyber Security

19-23 June 2023

(Online Mode)



Organised by



Department Of Computer Science & Engineering
AJAY KUMAR GARG ENGINEERING COLLEGE GHAZIABAD

27th Km Stone Delhi- Meerut Bypass Road, Ashiyamukh Nagar
Ghaziabad 201001

Website: <https://www.angec.ac.in/>

fdp_cse@angec.ac.in

FDP Organized By Department of Information Technology

Report on 5 days online FDP (During 1st Aug – 5th Aug 2022)

Level: National

Title: UNBLOCK BLOCKCHAIN

Date: 1st August 2022 to 5th August 2022 (5 days)

No. of Resource persons: 7 (From Industry and Academia)

No. of Participants: 94 (AKGEC: 27, Outsiders: 67)

(74 candidates were from UP, 4 from Rajasthan, 3 from Uttarakhand and 13 from other states)

FDP Coordinators: Dr. Aditya Pratap Singh, Dr. Anupama Sharma, Dr. Ruchi Gupta, IT Department, AKGEC Ghaziabad

FDP Organizer: Department of Information Technology, Ajay Kumar Garg Engineering College, Ghaziabad

Mode: Online

Objective: The FDP is devoted to address the need of enhancing the knowledge of the fast-growing Technology named **Blockchain**. The FDP was comprehend required conceptual content about blockchain, cryptocurrencies, smart contract, different use cases of blockchain, also provided Hands-On experience through programming and simulation software to the participants. This exposure to the faculty members will definitely improve quality of teaching and will motivate to include it in their research interests. The faculty equipped with advance technological concept will also motivate their students to gain skills in this technology to improve their employability.

Report: A five day Faculty Development Programme (Online) was successfully conducted by the department of Information Technology from 1-5 August 2022. The FDP programme received an overwhelming response with 94 participants from various engineering colleges/ Universities.


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Day 1 (1st Aug 2022)

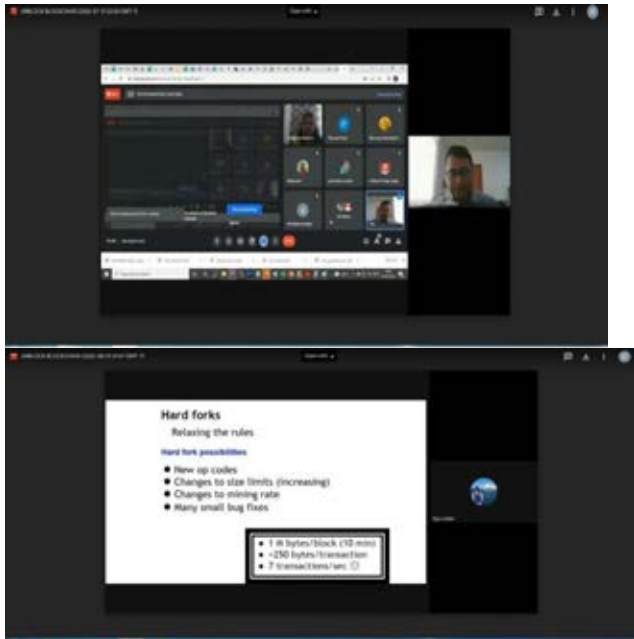
The FDP inaugurated on 1st August 2022 at 9:00 AM. There were 67 participants from different colleges and institutes and 27 participants from AKGEC, Ghaziabad.

Dr. Parneet Kaur, Associate Professor, IT Department coordinated the day1 sessions. The Programme progressed with the inaugural session in which welcome speech had given by Dr. Anu Chaudhary, HoD IT. Inauguration Program Chief Guest Mr. Satish Chauhan Director Oracle India Pvt Ltd. had also addressed FDP participants with his motivating and informative words. Keynote Address had given by Mr Ajay Singh, CTO, DLT Labs and welcome speech and vote of thanks by Dr. Aditya Pratap Singh, Associate Professor, IT Department. Dr. Aditya Pratap Singh also explained rules and guidelines to all the participants.

In the first session, Dr. Ferdous Ahmed Barbhuiya who is an Associate Professor at the Indian Institute of Information Technology Guwahati, in the department of Computer Science & Engineering. He is also the Associate Dean of Administration at IIIT Guwahati provided excellent, interactive and informative session on Blockchain Technology Introduction and Architecture. Session duration was 10:30 Am -12:30 PM.

After lunch break session 2 of day 1 began at 1:30 PM and finished at 4:00 PM. Dr. Raju Halder an Associate Professor in the Dept. of Comp. Sc. and Engg. at IIT Patna had taken the session on Cryptocurrency specially Bitcoin, that how it works, he discussed the mining process also.

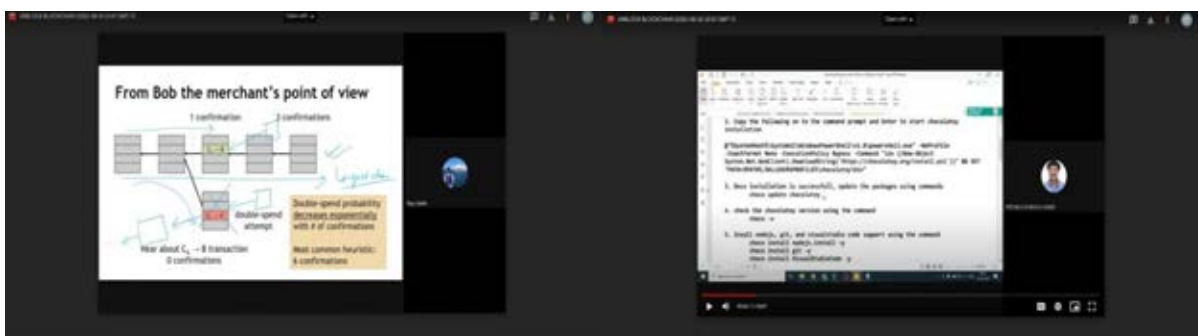

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Day 2 (2nd Aug 2022)

Day 2 sessions were coordinated by Dr. Amrita Jyoti, Assistant Professor, IT Department. In the first session Dr. Raju Halder, IIT Patna was the resource person again. He took the session on Security aspects of blockchain. He also discussed that this technology produces a tamper-proof ledger of transactions, blockchain networks are not immune to cyber-attacks and fraud.

The second session was taken by Dr. P. Raghu Vamsi, Assistant Professor senior grade, JIIT Noida. He delivered his session on Blockchain Use Cases - How to choose blockchain projects, Case studies, etc. This was very interactive session and one to one discussion with participants was conducted by Dr. P. Raghu Vamsi.

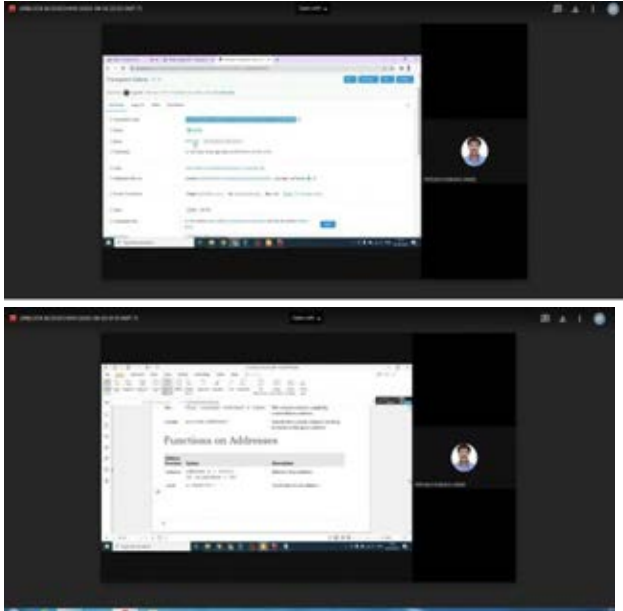


Day 3 (3rd Aug 2022)

Dr. Ruchi Gupta, Associate Professor, IT Department coordinated the sessions. Dr. P. Raghu Vamsi, Assistant Professor senior grade, JIIT Noida was the resource person for both the


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sessions of day 3. In the first session he discussed about solidity Smart Contracts - Solidity programming, Designing and coding solidity smart contracts. Second session was on building Blockchain Decentralized Applications - Linking Solidity smart contracts to Web Applications. Both were very interactive and informative sessions.

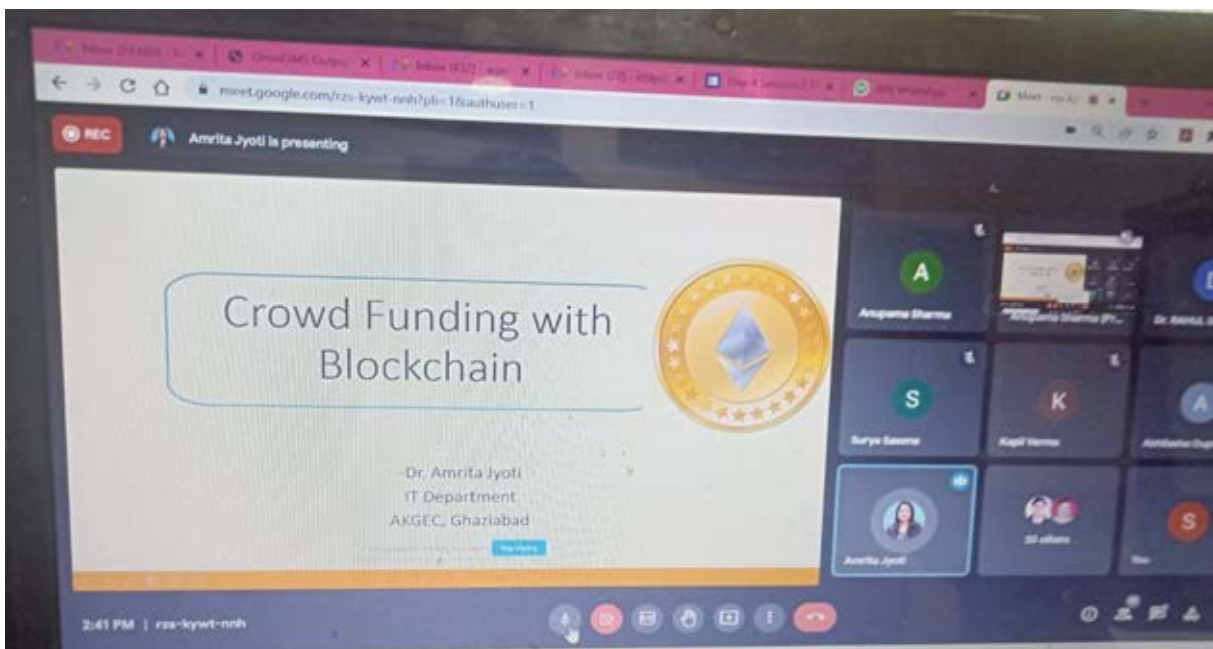
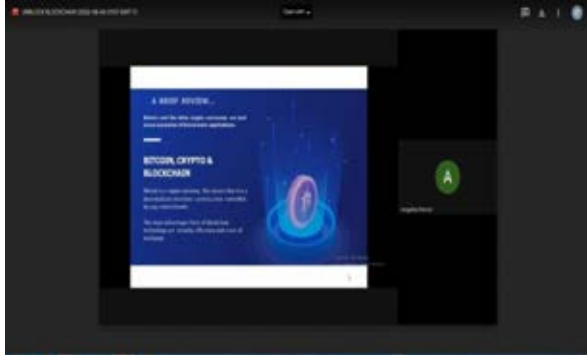


Day 4 (4th Aug 2022)

The sessions of 4th day of FDP was coordinated by Dr. Shivani Agrawal, Assistant Professor, IT Department. Resource person for first session was Dr. Amit Singhal who is working as Professor & Head in Department of Computer Science & Engineering (IOT) in Raj Kumar Goel Institute of Technology, Ghaziabad, UP, India. He took the session on Cryptography in Blockchain Technology. He discussed how cryptography is mainly used to protect user privacy and transaction information and ensure data consistency in the blockchain.

Second session of day 4 is taken by Dr. Anupama Sharma, Associate Professor, IT Department. She discussed the applications and use cases of blockchain in various fields as well as the companies and startups involved in these applications worldwide. After this session was continued by Dr. Amrita Jyoti, Assistant Professor, IT Department. She discussed specific application of blockchain i.e. crowd funding. In current era, this application of blockchain is very important for the startup companies. She had given hands on experience to participants on metamask.

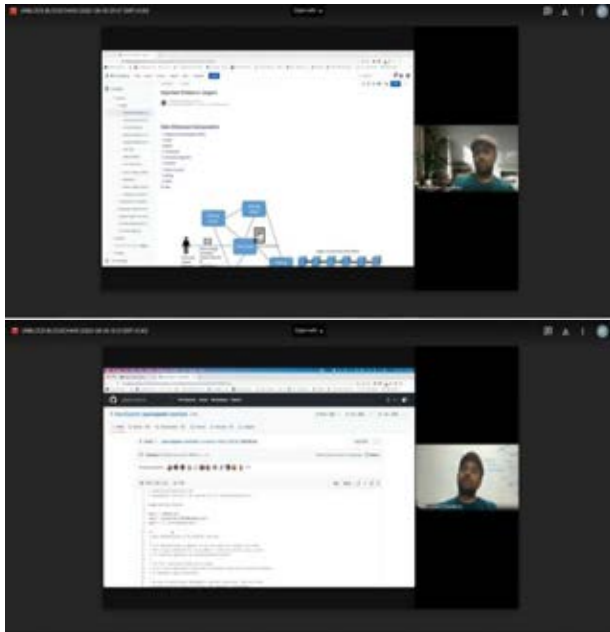

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Day 5 (5th Aug 2022)

Day 5 was the last day of the FDP, which is coordinate by Dr. Anupama Sharma Associate Professor, IT Department. Both sessions of day 5 was taken by Mr. Purushottam Chaudhary is Principal Blockchain Architect @DLT Labs. He is having a vast experience of implementing blockchain applications; hence he had provided excellent hands on sessions in which participants enjoyed with making small blockchain applications.


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Outcomes:

- The participants will be able to explore the basic concepts and technology used for blockchain.
- The participants will be able to apply security features in blockchain technologies.
- Describe the primitives of the distributed computing and cryptography related to blockchain.
- The participants will be able to write smart contract using Ethereum Framework.
- The participants will be able to come out with a new idea for smart contract in real-world applications.

Title: Outcome-based Curriculum Design

Theme of the FDP: - The main objective of this FDP was to equip faculty members with the necessary knowledge and skills to design curriculums that focus on learning outcomes, fostering student-centric education, and ensuring better employability and overall educational quality. It aimed to empower them with the necessary knowledge and skills to develop curriculums that align with the evolving needs of education and equip students with the competencies required for their professional and personal growth.

Speakers with designation and organization along with little details of topics covered by them

S.No.	Name of Speaker	Designation	Organization
1.	Prof. PS Grover	Director	GBP Institute of Technology of Technology Delhi


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46	ICT-17023109055	SHIKHA AGARWAL	YES	ASSISTANT PROFESSOR	faculty	AKGEC
47	ICT-17023109463	SHILPI GUPTA	YES	ASSISTANT PROFESSOR	faculty	AKGEC
48	ICT-17023109503	SHIVANI AGARWAL	YES	ASSISTANT PROFESSOR	faculty	AKGEC
49	ICT-17023109205	SUMAN GOTHWAL	YES	ASSISTANT PROFESSOR	faculty	AKGEC
50	ICT-17023109020	SUMIT KUMAR SHARMA	YES	ASTT. PROF	faculty	AKGEC
51	ICT-17023109648	SUNDEEP RAJ	YES	ASSISTANT PROFESSOR	faculty	AKGEC
52	ICT-17023109091	SURYA SAXENA	YES	ASSISTANT PROFESSOR	faculty	IMSUC
53	ICT-17023109042	TAHIRA MAZUMDER	YES	ASSISTANT PROFESSOR	faculty	AKGEC
54	ICT-17023109502	TANU GUPTA	YES	ASSISTANT PROFESSOR	faculty	AKGEC
55	ICT-17023109193	VAISHALI RASTOGI	YES	ASSISTANT PROFESSOR	faculty	AKGEC
56	ICT-17023109663	VIRENDRA PAL SINGH	YES	AP	faculty	AKGEC
57	ICT-17023109302	YOGENDRA NARAYAN PRAJAPATI	YES	ASSISTANT PROFESSOR	faculty	AKGEC

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Ajay Kumar Garg Engineering College, Ghaziabad




Faculty Development Programme

on

Outcome Based Curriculum Design

13-17th February 2023

Organized by

Department of Information Technology

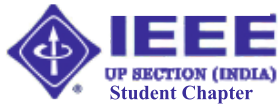
in collaboration with

Curriculum Development Centre, NITTTR, Chandigarh

<p style="font-size: 0.8em; margin: 0;">Dr. Avdhesh Gupta Professor, IT Department Program Coordinator</p>	<p style="font-size: 0.8em; margin: 0;">Dr. Anupama Sharma Assoc Prof, IT Department Program Co-coordinator</p>	<p style="font-size: 0.8em; margin: 0;">Dr. Meenakshi Sood Assoc Professor, NITTTR, Chd. Coordinator</p>	<p style="font-size: 0.8em; margin: 0;">Dr. Anu Chaudhary Professor & Head IT Department</p>
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Certificate

OF PARTICIPATION

This is to certify that

Dr. A K Rai

Professor, Mechanical Engineering Department

at

Ajay Kumar Garg Engineering College Ghaziabad

has attended the

**Faculty Development Program on E-Mobility and
Associated Power Electronics
in Hybrid Mode**

from 21st to 25th August 2023

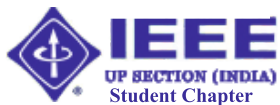
organised by the Department of Electrical and Electronics Engineering
Ajay Kumar Garg Engineering College, Ghaziabad

Dr. Vani Bhargava
Coordinator

Dr. Hemant Ahuja
Director

Dr. R. K. Agarwal
Director General

Director
Ajay Kumar Garg Engg. College
Ghaziabad



Certificate OF PARTICIPATION

This is to certify that

Mr. Harsh Kumar Pathak

UG Scholar, Electrical and Electronics Engineering Department

at

Ajay Kumar Garg Engineering College Ghaziabad

has attended the

**Short Term Training Program on E-Mobility and
Associated Power Electronics**

in Hybrid Mode

from 21st to 25th August 2023

organised by the Department of Electrical and Electronics Engineering
Ajay Kumar Garg Engineering College, Ghaziabad

Dr. Vani Bhargava
Coordinator

Dr. Hemant Ahuja
Director

Dr. R. K. Agarwal
Director General

Director
Ajay Kumar Garg Engg. College
Ghaziabad

DETAILS OF EVENTS CONDUCTED BY VALUE EDUCATION CELL
DURING 2022-23

S.No.	Date	Event	Remarks
1.	19 th – 23 rd December 2022	AICTE approved UHV-II FDP for faculty members Resource Persons: 1. Dr. Gopal Babu, VE Cell, AKGEC 2. Mr. B N Pandey, CSE, AKGEC 3. Dr. Upasana Mishra, CSE Local Program Coordinator: Mr. R P Singh, ECE, AKGEC	26 FMs of the college attended the FDP successfully.
2.	23 rd February 23	The one-hour presentation by Dr. Gopal Babu in the IT department to spread awareness of VE Cell activities	All FMs of the IT department attended the session.
3.	5 – 7 April 2023	AICTE-approved Staff Development Program Resource Persons: 1. Mr. B N Pandey, CSE 2. Dr. Parul Verma, ASH Local Program Coordinator Mr. R P Singh, ECE	41 Staff members from all departments of the college attended the three days workshop.
4.	03 – 07 July 2023	AICTE approved UHV-II FDP on Universal Human Values	VE Cell organized an AICTE-approved face-to-face self-funded UHV-II FDP for FMs of the college. Total of 30 participants registered for the workshop. Out of them, 27 were completed successfully.
5.	28 March 3 April 2023	FDP on Industrial ROBOTICS	The AKGEC-KUKA Industrial Robotics Training Center organized a five-day Faculty Development Program (FDP) for educators from various departments at AKGEC. The program aimed to educate faculty members on fundamental concepts related to robot classification, safety in industrial robotics, as well as the operation and

			<p>programming of these systems. A total of 13 faculty members from diverse engineering departments, including Civil Engineering, Electrical Engineering, Electronics and Communication Engineering, Mechanical Engineering, Information Technology, and Computer Science Engineering, actively participated in this FDP.</p>
6	27-31 Aug 2022	FDP on Welding Technologies	<p>AWTRC organized a Faculty Development Program spanning five days, commencing on August 27, 2022, and concluding on August 31, 2022. The event witnessed the active participation of 11 individuals from AKGEC. During this comprehensive program, attendees engaged in diverse sessions aimed at enhancing their academic and professional skills. The sessions covered various facets of faculty development, fostering a conducive environment for knowledge exchange and skill enrichment. The participants from AKGEC actively contributed to and benefited from this collaborative learning experience, further enriching their academic endeavours.</p>


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