

About REC Ambedkar Nagar

Rajkiya Engineering College (R.E.C.) Ambedkar Nagar was established by the Government of Uttar Pradesh. The college is offering B.Tech Programme in three disciplines – Information Technology (IT), Electrical Engineering (EE) and Civil Engineering (CE) with an intake of 60 seats in each branch. The students are extensively exposed to cross-cultural environments as candidates from other states such as Jammu & Kashmir, Madhya Pradesh, Rajasthan etc. also join this college. REC Ambedkar Nagar is a fully residential institution with five hostels for boys and one for girls presently.

Department of Information Technology

The Department of Information Technology was established in 2010 with an intake of 60 students. The department has highly qualified, committed and well experienced faculty members with varied specializations. The faculties are involved in organizing and participating in several seminars, conferences and workshops in addition to their academic responsibilities. They have also published research papers in various national and international journals, presented papers in conferences in India. Over the years, the department has become a centre of excellence, providing in-depth technical knowledge and opportunities for innovation and research, with well-equipped computer facilities, virtual class rooms and

R&D labs. The IT Department is the first point of contact for the campus community by supporting telephone, computing, networking, and applications. The IT Department is dedicated to facilitate and enhance teaching, learning, and administrative services and to increase productivity and efficiency using information technology resources.

About the STC

REC Ambedkar Nagar is pleased to announce a one week STC on “Transformative Technologies & its Applications” from September 22 – 26, 2025. The course aims to provide participants with practical knowledge and hands-on experience in emerging technologies. It will feature expert sessions, covering real-world applications and advanced tools for building secure, intelligent, and connected systems.

Topics to be covered in the Program (Tentative)

- Introduction to Blockchain and IoT for Smart Systems
- Overview of Artificial Intelligence and Machine Learning
- Data Collection, Preprocessing, and Feature Engineering
- Predictive Analytics and Decision-Making Models
- Security and Privacy Challenges in AI, ML, Blockchain, and IoT

One Week Short Term Course ON Transformative Technologies & its Applications (TTA-2025)

September 22 – 26, 2025

Organized By



Coordinators

Dr. Sharad Verma
Dr. Shivendra Kumar Pandey
Dr. Prince Rajpoot

Department of Information Technology
Rajkiya Engineering College
Ambedkar Nagar
(AICTE Approved Government
Engineering College, APJAKTU Code 737)

Who Can Apply

1. **B.Tech students** from AICTE-approved institutions
2. **Research scholars and postgraduate students**
3. **Participants from government organizations and industry**, including bureaucrats, technicians, and other professionals

Registration(No Registration Fee)

1. For registration, please visit:
<https://forms.gle/WxBqTFMY5AeebBDs8>
2. Fill in all the required details and upload the necessary documents (if applicable).
3. Please follow the instructions carefully.

Issuance of certificate

Certificates will be awarded to participants who secure a minimum attendance of 80% in the program. Further, appearing in the final

online assessment test is compulsory for all participants.

Mode of the STC

All expert sessions will take place **offline** through a suitable platform.

Programme Schedule

The program schedule is attached below.

Address for Correspondence

Dr. Sharad Verma
Department of Information Technology,
REC Ambedkar Nagar
PIN-224122
sharad@recabn.ac.in

The last date for registration is 20.09.2025.

A confirmation mail will be sent to the selected candidates by 21.09.2025

Chief Patron
Prof. Jai Prakash Pandey
Vice-Chancellor of
Dr. APJ Abdul Kalam
Technical University

Patron
Prof. Dhananjay Singh
Director, REC Ambedkar Nagar

Convener
Dr. Sudhakar Tripathi
Head, IT Deptt., REC Ambedkar Nagar

Coordinator
Dr. Sharad Verma
Dr. Shivendra Kumar Pandey
Dr. Prince Rajpoot

Co-coordinator
Dr. Ramesh Chand Pandey
Dr. Ashish Kumar Mishra
Dr. Amit Kumar
Dr. Shivendu Mishra

Organizing Committee
Prof. Vishal Singh Chandel (HOD-APSH)
Dr. Surya Prakash Singh (HOD-EE)
Mr. Amit Kumar Rai (HOD-CE)
Dr. Prabhudatt Dwivedi (Dean Academics)
Dr. Amit Kumar Singh (Dean R&D)
Mrs. Shweta Tiwari
Mr. Shashank Shekhar Tiwari
Mrs. Ritika Yaduvanshi

Department of Information Technology
Rajkiya Engineering College Ambedkar Nagar
One week Short Term Course on
Transformative Technologies and its Applications (TTA-2025)
(22th-26th September 2025)

Day	10:00-11:30 AM	11:30 AM-11:45 AM	11:45AM-1:15 PM	1:15 PM - 02.30 PM	2.30PM-04:00 PM
22-09-2025 (Monday)	Inauguration & Keynote (Prof. J.P. Pandey, Honourable VC, AKTU)	TEA BREAK	Introduction to Blockchain (Dr. Gaurav Baranwal, BHU)	LUNCH BREAK	Fundamentals of failure detection in Distributed Systems (Dr. Anshul Verma, BHU)
23-09-2025 (Tuesday)	Emerging trends and advances in failure detection for Distributed Systems (Dr. Anshul Verma, BHU)		Consensus Mechanisms in Blockchain (Dr. Gaurav Baranwal, BHU)		Blockchain architecture & its applications (Dr. Ashok Kr. Yadav, REC Azamgarh)
24-09-2025 (Wednesday)	Various use cases in real life of Blockchain Technology (Dr. Lokendra Singh Umrao, MMMUT)		Introduction to Machine Learning (Dr. Ritesh Maurya, MMMUT)		Cyber Security & Privacy for the common people (Prof. Kuldeep Sahay, REC Basti)
25-09-2025 (Thursday)	Introduction to Neural Networks (Dr. Shiv Ram Dubey, IIITA)		Neural Network advances (Dr. Shiv Ram Dubey, IIITA)		Support Vector Machine (Dr. Deepak Gupta, MNNIT-Allahabad)
26-09-2025 (Friday)	Soft Computing Techniques for Brain Image Segmentation (Dr. Pawan Kumar Tiwari, IET Lucknow)		AI & ML in Healthcare (Dr. Upendra Kumar, IET Lucknow)		Assessment Test, and Valedictory