

**Patent Awarded to Faculty Members:**

<b>Sr. No.</b>	<b>Faculty Name</b>	<b>Patent Details</b>
1.	Dr. Prince Rajpoot	“A POWER SYSTEM DISTURBANCE CLASSIFICATION USING SUPPORT VECTOR MACHINE AND A METHOD THEREOF”, REPUBLIC OF SOUTH AFRICA. Patent Granted Date: 29/06/2022
2.	Dr. Prince Rajpoot	“BUILDING SECURITY SYSTEM WITH IOT SENSORS AND MACHINE LEARNING”, FEDERAL REPUBLIC OF GERMANY. Date of Publication of the entry in the Patent Gazette: 09/06/2022
3.	Dr. Prince Rajpoot	“SYSTEM OF EFFECTIVE KEEPER BASED DOMINO CIRCUIT FOR LOW POWER APPLICATION” REPUBLIC OF SOUTH AFRICA. Patent Granted Date: 30/11/2022
4.	Dr. Prince Rajpoot	“AI BASED SMART GLASSES FOR IDENTIFYING SKIN DISEASE” GOVERNMENT OF INDIA Patent Granted Date: 17/08/2022
5.	Dr. Prince Rajpoot	“A SYSTEM FOR MONITORING ATTENDANCE USING MULTI-AUTHENTICATION LEVELS”, FEDERAL REPUBLIC OF GERMANY. Date of Publication of the entry in the Patent Gazette: 12/09/2022
6.	Dr. Prince Rajpoot	“USER BEHAVIOUR ANALYSIS BASED ON ARTIFICIAL INTELLIGENCE SYSTEM AND METHOD THEREOF”, GOVERNMENT OF INDIA. Date of Publication: 06/01/2023
7.	Mr. Shivendra Kumar Pandey	“BUILDING SECURITY SYSTEM WITH IOT SENSORS AND MACHINE LEARNING”, FEDERAL REPUBLIC OF GERMANY. Date of Publication of the entry in the Patent Gazette: 09/06/2022
8.	Mr. Shivendra Kumar Pandey	“A SYSTEM FOR MONITORING ATTENDANCE USING MULTI-AUTHENTICATION LEVELS”, FEDERAL REPUBLIC OF GERMANY. Date of Publication of the entry in the Patent Gazette: 12/09/2022
9.	Mr. Shivendu Mishra	“BUILDING SECURITY SYSTEM WITH IOT SENSORS AND MACHINE LEARNING”, FEDERAL REPUBLIC OF GERMANY. Date of Publication of the entry in the Patent Gazette: 09/06/2022
10.	Mr. Shivendu Mishra	“SYSTEM OF EFFECTIVE KEEPER BASED DOMINO CIRCUIT FOR LOW POWER APPLICATION” REPUBLIC OF SOUTH AFRICA. Patent Granted Date: 30/11/2022
11.	Mr. Sharad Verma	“A SYSTEM FOR MONITORING ATTENDANCE USING MULTI-AUTHENTICATION LEVELS”, FEDERAL REPUBLIC OF GERMANY. Date of Publication of the entry in the Patent Gazette: 12/09/2022
12.	Mr. Sharad Verma	“USER BEHAVIOUR ANALYSIS BASED ON ARTIFICIAL INTELLIGENCE SYSTEM AND METHOD THEREOF”, GOVERNMENT OF INDIA. Date of Publication: 06/01/2023
13.	Dr. Ramesh Chand Pandey	A SYSTEM FOR MEDICAL CLOUD DATA CLASSIFICATION FOR IOT AWARE SMART HEALTHCARE. The Commissioner of Patents has granted the above patent on 6 April 2022.
14.	Dr. Ramesh Chand Pandey	MACHINE LEARNING APPROACHES IN INDUSTRIAL AUTOMATION MANAGEMENT SYSTEM INMANUFACTURING JOYSTICK CONTROL SECTOR USING ROBOTIC TECHNOLOGY. Publication Date 27 January 2023.

15.	Dr. Amit Kumar	“USER BEHAVIOUR ANALYSIS BASED ON ARTIFICIAL INTELLIGENCE SYSTEM AND METHOD THEREOF”, GOVERNMENT OF INDIA. Date of Publication: 06/01/2023
16.	Dr. Ashish Kumar Mishra	A SYSTEM FOR MEDICAL CLOUD DATA CLASSIFICATION FOR IOT AWARE SMART HEALTHCARE. The Commissioner of Patents has granted the above patent on 6 April 2022.

### List of faculty who completed MOOCs certification

Name	Year/Date	Subject	Duration	Score(100)/Grade
Shivendu Mishra	2019	Introduction to Internet of Things.	12 weeks Jul-Oct-2019	Elite + Silver
Shivendu Mishra	2019	Ethical Hacking.	12 weeks Jul-Oct-2019	Elite + Gold
Shivendu Mishra	2019	Introduction to Cloud Computing.	8 weeks Aug-Oct 2019	Elite + Silver
Shivendu Mishra	2019	Introduction to Automata, Languages, and computation.	12 weeks Jan-Apr-2019	Elite + Gold
Shivendu Mishra	2019	Joy of Computing Using python.	12 weeks Jan-Apr-2019	Elite + Gold
Shivendu Mishra	2019	Block Chain architecture and use cases.	12 weeks Jan-Apr-2019	Successfully completed the course
Dr. Ashish Kumar Mishra	2021	Cryptography and Network Security	12 weeks Jan-Apr-2021	Elite(Silver)
Dr. Ashish Kumar Mishra	2020	Digital Image Processing	12 weeks Sep – Dec, 2020	Successfully
Dr. Ashish Kumar Mishra	2021	Introduction to Machine Learning	12 weeks Jan-Apr-2021	Elite
Dr.Prince Rajpoot	2019	Design and analysis of algorithms	8 weeks Aug-Oct-2019	Elite(silver)
Dr.Prince Rajpoot	2019	Problem Solving through Programming in C	12 weeks Jul-Oct-2019	Elite
Dr. Ramesh Chand Pandey	2021	Cryptography and Network Security	12 weeks Jan-Apr-2021	Elite(Silver)
Dr.Prince Rajpoot	2020	Module 1 - Orientation Towards Technical Education	8 weeks, July 20	85
Dr.Prince Rajpoot	2020	Module 2 - Professional Ethics & Sustainability	8 weeks, July 20	81
Dr.Prince Rajpoot	2020	Module 3 - Communication Skills, Modes & Knowledge	8 weeks, July 20	76

Dr.Prince Rajpoot	2020	Module 4 - Instructional Planning and Delivery	8 weeks, july 20	75
Dr.Prince Rajpoot	2020	Module 5 - Technology Enabled Learning & Life-Long Self Learning	8 weeks, july 20	93
Dr.Prince Rajpoot	2020	Module 6 - Student Assessment and Evaluation	8 weeks, july 20	90
Dr.Prince Rajpoot	2020	Module 7 - Creative Problem Solving, Innovation and Meaningful R&D	8 weeks, july 20	81
Dr.Prince Rajpoot	2020	Module 8 - Institutional Management & Administrative procedures	8 weeks, july 20	55
Dr.Prince Rajpoot	2020	Introduction to the Internet of Things and Embedded	4 weeks, Aug 20	97.12
Dr.Prince Rajpoot	2020	Introduction to Data Science in Python	4 weeks, July 20	89
Dr. Amit Kumar	2019	Discrete Mathematics	July-Oct 12 Weeks	88, Elite(Silver)
Dr. Amit Kumar	2019	Problem Solving through Programming in C	July-Oct 12 Weeks	77, Elite(Silver)
Dr. Amit Kumar	2019	Theory of Computation	July-Sept 8 Weeks	68, Elite
Sharad verma	2022	Data Analytics with Python	12 weeks Jan-Apr 22	77, Elite (Silver)
Sharad Verma	2022	Deep Learning	12 weeks Jul-Oct 22	88, Elite (Silver)
Dr. Ashish Kumar Mishra	2022	Data Analytics with Python	12 weeks Jan-Apr 22	76, Elite(Silver)
Dr. Ashish Kumar Mishra	2022	Cloud Computing	12 weeks Jul-Oct 22	80, Elite (Silver)
Shivendra Kumar Pandey	2021	Module 1 - Orientation Towards Technical Education	8 weeks, September 21	85
Shivendra Kumar Pandey	2021	Module 2 - Professional Ethics & Sustainability	8 weeks, September 21	79.4
Shivendra Kumar Pandey	2021	Module 3 - Communication Skills, Modes & Knowledge	8 weeks, September 21	78.5
Shivendra Kumar Pandey	2021	Module 4 - Instructional Planning and Delivery	8 weeks, September 21	70.3
Shivendra Kumar Pandey	2021	Module 5 - Technology Enabled Learning & Life-	8 weeks, September 21	90.9
Shivendra Kumar Pandey	2022	Module 6 - Student Assessment and Evaluation	8 weeks, July 22	88.9
Shivendra Kumar Pandey	2021	Module 7 - Creative Problem Solving, Innovation and	8 weeks, September 21	62.2

Shivendra Kumar Pandey	2021	Module 8 - Institutional Management &	8 weeks, September 21	75.9
Shivendra Kumar Pandey	2022	Data Analytics with Python	12 weeks Jan-Apr 22	67, Elite
Shivendra Kumar Pandey	2022	Deep Learning	12 weeks Jul-Oct 22	65, Elite

**Table B.5.7.3b**

**Skill Development Activities (for Faculty):**

**(2021-22)**

Activity Organized	Conducted By	Participation	Date and Venue
ATAL FDP	Department of Information Technology, Rajkiya Engineering College Ambedkarnagar	All IT Faculty and students and outsiders	17,18 &19 march 2022, Online REC Ambedkarnagar

**Table B: 5.7.3d**

**(2020-21)**

Activity Organized	Conducted By	Participation	Date and Venue
Three Days workshop on “Ready to Market Skill theory and HandsOn session of Python for data analytics, Machine Learning and Deep Learning”	Department of Information Technology, Rajkiya Engineering College Ambedkarnagar	All IT Faculty and students and outsiders	17,18 &19 march 2021, Online REC Ambedkarnagar
Three days online workshop on “Competitive Coding”	Department of Information Technology, Rajkiya Engineering College Ambedkarnagar	All IT Faculty and students and outsiders	27-29 May 2021, Online REC Ambedkarnagar
Expert Lecture on “Basics of Machine Learning using Python”	Department of Information Technology, Rajkiya Engineering College Ambedkarnagar	All IT Faculty and students and outsiders	25 June 2021 from Online REC Ambedkarnagar
Expert Lecture on “Artificial Intelligence”	Department of Information Technology, Rajkiya Engineering College Ambedkarnagar	All IT Faculty and students and outsiders	19 June 2021 from Online REC Ambedkarnagar
Expert Lecture on ‘Digital Watermarking for Image Authentication and Restoration’	Department of Information Technology, Rajkiya Engineering College Ambedkarnagar	All IT Faculty and students and outsiders	28th June,2021 at Online REC Ambedkarnagar
Expert Lecture on ‘Sentiment Analysis’	Department of Information Technology, Rajkiya Engineering College Ambedkarnagar	All IT Faculty and students and outsiders	6th July, 2021 at 3:30 Online REC Ambedkarnagar

**Table B: 5.7.3e****(2019-20)**

<b>Activity Organized</b>	<b>Conducted By</b>	<b>Participation</b>	<b>Date and Venue</b>
One Week Lecture Series on Artificial Intelligence, IoT, Cloud Computing, Machine Learning and Deep Learning (Sponsored by TEQIP-III) September 17-21, September 2019, organized by Department of Information Technology, Rajkiya Engineering College Ambedkarnagar	Department of Information Technology, Rajkiya Engineering College Ambedkarnagar	All IT Faculty and students and outsiders	September 17-21, September 2019, REC Ambedkarnagar

**Table B: 5.7.3f****(2018-19)**

<b>Activity Organized</b>	<b>Conducted By</b>	<b>Participation</b>	<b>Date and Venue</b>
Evolving Drifts in Computer Science” (NWEDCS-2018)	All IT Faculty	All IT Faculty and outsiders	July 09th– 13th, 2018. REC Ambedkar Nagar

**Table B: 5.7.3g****(2017-18)**

<b>Activity Organized</b>	<b>Conducted By</b>	<b>Participation</b>	<b>Date and Venue</b>
Laboratory and Workshop Management Issues” (Through ICT)	NITTR, Kolkata	All IT Faculty	09/04/2018 to 13/04/2018 Online
ICT Course on Scilab Programming	NITTR, Chandigarh	All IT Faculty	14/05/2018 to 18/05/2018 Online

**Table B: 5.7.3h**

**FDP/Worshop/ etc ATTENDED**

**Dr. Sudhakar Tripathi**

S.No	Name of Course/Workshop / Seminar / Conference/Event attended	Duration	Place
1.	Faculty Development Programme (FDP) on Cloud Services, AI, ML and Applications , Organized by Department of Information Technology, BIET Lucknow July 24 - 29, 2023	July 24 - 29, 2023	Department of Information Technology, BIET Lucknow July 24 - 29, 2023 Online
2.	Two days workshop on Empowering Innovation & Incubation	16-17 Sep 2023	AKTU Lucknow
3.	Uttar Pradesh Global Investors Summit 2023	10 -12 Feb 2023	Lucknow, UP Govt, Technical Education Department
4.	Workshop on Carbon Neutral Water Positive, UBA RCI IITBHU	04 Mar 2023	IIT BHU Varanasi
5.	Digital Certificate Movement in India	07.07.2022	Online, Capricorn

**Mr. Shivendu Mishra**

1. Participated in PDP on Recent Trends in Green Technology for Attainment of UN Sustainable Development goals-2030, during 2nd July 2022 -22nd July 2022, in Online Mode Integral University

**Dr. Ramesh Chand Pandey**

1. Completed 8 module course by NITTT in July 2022.
2. Completed 12 week course on Cloud Computing in October 2022, 84% (NPTEL).
3. Online Faculty Development Programme, Organized by Institute Industry Linkage Cell, Department of CSE/IT, IIIT Noida on Artificial Intelligence Tools 28th June – 03 July, 2023
4. Summer School on Cyber Threat Intelligence & Forensic at Jaypee Institute of Information Technology, Noida, from July 3 to 15, 2023.
5. IEEE CIS Summer School on Computational Advances in Deep Learning and Applications at IIIT Allahabad from July 17 to 21, 2023.

**Mr. Sharad Verma**

1. Completed 8 module course by NITTT in July 2022.
2. Completed 12 week course on Deep Learning in October 2022 (NPTEL).

3. Completed 8 week course on Optimization for Machine Learning: Theory and Implementation (Hindi) in April 2023 (NPTEL).
4. Completed 12 week course Natural Language Processing in October 2023 (NPTEL).
5. IEEE CIS Summer School on Computational Advances in Deep Learning and Applications from July 17 to 21, 2023.

**Dr. Ashish Kumar Mishra**

1. Successfully completed one week FDP on “Security Aspects in Computer Science and its Applications (SACSA-2023)”, held from 16th October - 20th October, 2023 organized by Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj, Uttar Pradesh, India.
2. Successfully completed (Topper Certificate) Twelve Weeks NPTEL-AICTE Faculty Development Program (FDP) on “Cloud Computing”, during Jul – Oct, 2022 funded by the Ministry of HRD, Govt. of India.
3. Participated in Two Week Professional Development Program (PDP) on “Recent Trends in Green Technology for Attainment of UN Sustainable Development Goals-2030” held from 2nd to 22nd July 2022, organized by Department of Electrical Engineering, Faculty of Engineering, Integral University, Lucknow (U.P.), India

**Mr. Shivendra Kumar Pandey**

1. Participated in the 5-day Short Term Course on “Blockchain Technology and it’s applications” organized by ABV-IIITM Gwalior during 12<sup>th</sup> November to 16<sup>th</sup> June 2023.
2. Participated in the 5-day online Faculty Development Programme on “Cyber Security Challenges and Practices(CSCP-2022)” organized by Computer Science and Engineering Department, Rajkiya Engineering College, Sonbhadra during 28<sup>th</sup> November to 2<sup>nd</sup> December 2022.
3. Participated and completed the two weeks professional training on “ICT tools for teaching-learning process” organized by AI4FINTECH PRIVATE LIMITED held from 05/07/2022 to 19/07/2022.
4. Participated in Two Week Short Term Training Programme through ICT Mode on Advanced Pedagogy organized by NITTTR Kolkata from 13th June to 24th June, 2022.
5. Participated in two week professional development program on recent trends in green technology for attainment of UN sustainable goals-2030. Organized by department of electrical engineering, integral university from 2 July to 22 July, 2022.
6. IEEE CIS Summer School on Computational Advances in Deep Learning and Applications at IIIT Prayagraj from July 17 to 21, 2023.
7. Completed 8 module course on teachers training by NITTT in July 2022.
8. Completed 12 week course on Deep Learning in October 2022 (NPTEL).
9. Completed 8 week course on Optimization for Machine Learning: Theory and Implementation (Hindi) in April 2023 (NPTEL).

**Dr. Amit Kumar**

- Successfully completed the NPTEL-AICTE FDP 12 week course on Deep Learning with a consolidated score of 88% (Top 5%, Silver)

- Successfully completed the NPTEL-AICTE FDP 8 week course on Optimization for Machine Learning: Theory and Implementation with a consolidated score of 70% (Elite)

**Dr. Prince Rajpoot**

1. Participated in the 5-day Short Term Course on “Blockchain Technology and it’s applications” organized by ABV-IIITM Gwalior during 12<sup>th</sup> November to 16<sup>th</sup> June 2023.
2. Participated in the 5-day online Faculty Development Programme on “Cyber Security Challenges and Practices(CSCP-2022)” organized by Computer Science and Engineering Department, Rajkiya Engineering College, Sonbhadra during 28<sup>th</sup> November to 2<sup>nd</sup> December 2022.
3. Participated and completed the two weeks professional training on “ICT tools for teaching-learning process” organized by AI4FINTECH PRIVATE LIMITED held from 05/07/2022 to 19/07/2022.