IEEE DELCON 2026

5th IEEE Delhi Section Flagship Conference

DAY 1 | THURSDAY, 19 NOVEMBER 2026

BITS Pilani, Pilani Campus • Programme Schedule

TIME	SESSION DETAILS	VENUE / ROOM
09:00 AM - 10:30 AM	Inaugural Ceremony	J. C. Chaudhary NAB Auditorium
10:30 AM - 11:20 AM	**Keynote Address 1:** Convergence Research: Changing the Questions We Ask About Engineered Systems	J. C. Chaudhary NAB Auditorium
11:20 AM - 01:00 PM	Startup Showcase	NAB Corridor -2
11:20 AM - 01:00 PM	**T1-S1:** Advanced Wireless Communication and Intelligent Networking	6106
11:20 AM - 01:00 PM	**T3-S1:** Generative AI, Computer Vision and Multimodal Learning	6108
11:20 AM - 01:00 PM	**T4-S1:** Approximate Computing, Hardware Security and Reconfigurable Architectures	6105
11:20 AM - 01:00 PM	**T5-S1:** Intelligent Signal Processing and Multimodal Sensing	J. C. Chaudhary NAB Auditorium
11:20 AM - 01:00 PM	**T6-S1:** Smart Grid Protection, Power Quality and Energy Trading	6107
01:00 PM - 02:00 PM	Lunch Break	Institute Cafeteria
02:00 PM - 02:50 PM	**Keynote Address 2:** Quasi-Isotropic Antennas for Orientation-Independent Wireless Connectivity: Theory, Wideband Designs, and 3D Integration	J. C. Chaudhary NAB Auditorium
02:00 PM - 02:50 PM	**Keynote Address 3:** Solar Energy as a Game Changer: Pathways to Energy Transition and Net-Zero Emissions	6106
02:00 PM - 02:50 PM	**Keynote Address 4:** Resonant Electronic Nose Platform for Real-Time Hazardous Gas and Environmental Sensing	6109
03:00 PM - 03:50 PM	Industry-Academia Technology Showcase	6101
03:00 PM - 04:40 PM	**T2-S1:** Quantum Communication, Photonic Devices and Optical Sensing	6106
03:00 PM - 04:40 PM	**T3-S2:** Trustworthy AI and Intelligent Learning Systems	6108
03:00 PM - 04:40 PM	**T5-S2:** AI-Driven Medical Diagnostics and Intelligent Sensing	J. C. Chaudhary NAB Auditorium
03:00 PM - 04:40 PM	**T6-S2:** Advanced Power Electronics, Protection and Intelligent Control	6107
03:00 PM - 04:40 PM	**T8-S1:** Advanced Sensor Technologies and Emerging Semiconductor Devices	6109
03:00 PM - 04:40 PM	**T9-S1:** Metamaterials, Reconfigurable Antennas and Microwave Components	6105
04:40 PM - 05:00 PM	Tea Break	NAB Corridor -1; NAB Corridor -2
05:00 PM - 06:40 PM	**P-S1:** Poster Session 1	NAB Corridor -1
05:00 PM - 06:40 PM	**T1-S2:** AI-Enabled 6G Communications and Resource Optimization	6106
05:00 PM - 06:40 PM	**T10-S1:** Intelligent Robotics, Adaptive Control and Autonomous Systems	6161
05:00 PM - 06:40 PM	**T3-S3:** Edge Intelligence and AI for Sustainable Applications	6108
05:00 PM - 06:40 PM	**T4-S2:** RISC-V Architectures, FPGA Systems and Advanced Circuit Design	6105
05:00 PM - 06:40 PM	**T5-S3:** Machine Learning for Biomedical Diagnosis and Healthcare	J. C. Chaudhary NAB Auditorium
05:00 PM - 06:40 PM	**T6-S3:** Electric Vehicle Charging, Battery Management and Energy Forecasting	6107
05:00 PM - 06:40 PM	**T7-S1:** Secure IoT Systems and Trustworthy Edge Intelligence	6109
07:00 PM - 10:00 PM	Conference Dinner	South Park, BITS Campus

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DAY 2 | FRIDAY, 20 NOVEMBER 2026

BITS Pilani, Pilani Campus • Programme Schedule

TIME	SESSION DETAILS	VENUE / ROOM
09:00 AM - 09:50 AM	**Keynote Address 5:** Sustainable Development of Future Smart Electricity Grids integrating Renewable Energy Resources: Key Challenges and Few Findings	J. C. Chaudhary NAB Auditorium
10:00 AM - 10:50 AM	**Keynote Address 6:** Digital Twin	J. C. Chaudhary NAB Auditorium
11:00 AM - 11:20 AM	Tea Break	NAB Corridor -1; NAB Corridor -2
11:20 AM - 01:00 PM	**SS2:** Startup Showcase	NAB Corridor -2
11:20 AM - 01:00 PM	**T1-S3:** Intelligent Vehicular, UAV and Hybrid Communication Networks	6106
11:20 AM - 01:00 PM	**T3-S4:** Advanced Deep Learning, Digital Twins and Cybersecurity	6108
11:20 AM - 01:00 PM	**T4-S3:** Energy-Efficient VLSI Architectures for AI and Neuromorphic Computing	6105
11:20 AM - 01:00 PM	**T5-S4:** Advanced Image Processing, Segmentation and Explainable AI	J. C. Chaudhary NAB Auditorium
11:20 AM - 01:00 PM	**T6-S4:** Renewable Energy Integration and Intelligent Power Systems	6107
01:00 PM - 02:00 PM	Lunch Break	Institute Cafeteria
02:00 PM - 02:50 PM	**Keynote Address 7:** PPG-Based Wearable Blood Pressure Monitoring System using TinyML	6106
02:00 PM - 02:50 PM	**Keynote Address 8:** Device Battery Energy Considerations in mMTC	J. C. Chaudhary NAB Auditorium
03:00 PM - 03:50 PM	Industry-Academia Technology Showcase	6101
03:00 PM - 04:40 PM	**T2-S2:** Advanced Photonic Systems and Quantum Communication Technologies	6106
03:00 PM - 04:40 PM	**T3-S5:** Intelligent Computing and AI-Driven Optimization	6108
03:00 PM - 04:40 PM	**T5-S5:** Intelligent Biomedical Signal Analysis and Disease Detection	J. C. Chaudhary NAB Auditorium
03:00 PM - 04:40 PM	**T6-S5:** Power System Stability, Energy Storage and Fault Diagnostics	6107
03:00 PM - 04:40 PM	**T8-S2:** Functional Materials and Next-Generation Electronic Sensors	6107
03:00 PM - 04:40 PM	**T9-S2:** Advanced Antenna Design for 5G, 6G and Terahertz Applications	6105
03:00 PM - 03:50 PM	**WIE:** IEEE Women in Engineering	6109
04:40 PM - 05:00 PM	Tea Break	NAB Corridor -1; NAB Corridor -2
05:00 PM - 06:40 PM	**P-S2:** Poster Session 2	NAB Corridor -1
05:00 PM - 06:40 PM	**T1-S4:** Reconfigurable Intelligent Surfaces and Integrated 6G Networks	6106
05:00 PM - 06:40 PM	**T10-S2:** Advanced Control, Sensor Fusion and Autonomous Navigation	6163
05:00 PM - 06:40 PM	**T3-S10:** Trustworthy AI, Computer Vision and Smart Applications	6164
05:00 PM - 06:40 PM	**T3-S11:** Explainable AI and Data-Driven Decision Systems	6160
05:00 PM - 06:40 PM	**T3-S6:** Explainable AI and Intelligent Decision Support Systems	6108
05:00 PM - 06:40 PM	**T4-S4:** Advanced VLSI Design, Memory Architectures and Hardware Optimization	6105
05:00 PM - 06:40 PM	**T5-S6:** Advanced Signal Processing and Sensor-Based Intelligent Systems	J. C. Chaudhary NAB Auditorium
05:00 PM - 06:40 PM	**T6-S6:** Advanced Power Converters and Energy Management Systems	6107
05:00 PM - 06:40 PM	**T7-S2:** Cybersecurity, Intelligent Sensing and Threat Detection	6109

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DAY 3 | SATURDAY, 21 NOVEMBER 2026

BITS Pilani, Pilani Campus • Programme Schedule

TIME	SESSION DETAILS	VENUE / ROOM
09:00 AM - 09:50 AM	**Keynote Address 9:** From Medical Reasoning to Autonomous Care: Advancing Multilingual, Multimodal, and Trustworthy Healthcare AI	J. C. Chaudhary NAB Auditorium
09:00 AM - 09:50 AM	**T4-S6:** Low-Power VLSI Circuits, Arithmetic Architectures and Hardware Verification	6105
10:00 AM - 10:50 AM	**Keynote Address 10:** 2D Materials Based Transistors: Overcoming Critical Challenges, and a Roadmap Toward Heterogeneous Integration	J. C. Chaudhary NAB Auditorium
10:00 AM - 11:40 AM	**T3-S8:** Deep Learning and AI for Biomedical Applications	6108
11:00 AM - 11:20 AM	Tea Break	NAB Corridor -1; NAB Corridor -2
11:20 AM - 01:00 PM	Industry-Academia Technology Showcase	6102
11:20 AM - 01:00 PM	**P-S3:** Poster Session 3	NAB Corridor -1
11:20 AM - 01:00 PM	**SS3:** Startup Showcase	NAB Corridor -2
11:20 AM - 01:00 PM	**T1-S5:** AI-Driven Wireless Communication and Intelligent Signal Processing	6106
11:20 AM - 01:00 PM	**T10-S3:** Robust Control, Intelligent Robotics and Visual Servoing	6163
11:20 AM - 01:00 PM	**T5-S8:** Multimodal Biomedical Intelligence and Explainable Healthcare AI	6101
11:20 AM - 01:00 PM	**T5-S9:** Machine Learning for Healthcare and Predictive Signal Analysis	J. C. Chaudhary NAB Auditorium
12:00 PM - 01:00 PM	IEEE Young Professionals Forum	6104
12:00 PM - 01:00 PM	**T3-S12:** Computer Vision, Optimization and Edge AI	6107
12:00 PM - 01:00 PM	**T3-S9:** AI Security, Deepfake Detection and Predictive Analytics	6108
12:00 PM - 01:00 PM	**T6-S7:** Energy Storage, Power System Control and Smart Electrification	6107
12:00 PM - 01:00 PM	**T9-S3:** Microwave and Terahertz Antennas for Biomedical and Emerging Applications	6105
01:00 PM - 02:00 PM	Lunch Break	Institute Cafeteria
02:00 PM - 03:40 PM	**T3-S7:** Advanced Machine Learning and Intelligent Systems	6108
02:00 PM - 03:40 PM	**T4-S5:** Low-Power CMOS Design and RISC-V Computing	6105
02:00 PM - 03:40 PM	**T5-S7:** AI-Enabled Biomedical Imaging and Advanced Sensing	6101
02:00 PM - 03:40 PM	**T6-S8:** Intelligent Power Systems and EV Charging Technologies	6107
02:00 PM - 03:40 PM	**T8-S3:** Emerging Nanoelectronic Devices, MEMS and Neuromorphic Technologies	6109
03:40 PM - 04:40 PM	Valedictory and Awards Ceremony	J. C. Chaudhary NAB Auditorium
04:40 PM - 05:00 PM	High Tea	NAB Corridor -1; NAB Corridor -2