

Department of Electronics & Communication Engineering

Events

Sl. No.	Topics	Name of the Industry personnel, Industry & Designation	Type of Events	Att d	Date	Organiz ed by	Impact	Relevance to POs, PSOs
CAY (2022-23)								
01	Electronics in Society	Sourav Chakraborty, CEO & Founder, APEX System, Kolkata	Seminar	87	09.11.2022	ECE Department, GNIT	Applications of Electronics in Society	PO 1 -4 , PO 7-12 , PSO 1-2
02	computer network	Mr. Soham Majumdar, Solutions Architect & Service Delivery Line Manager at Ericsson	Workshop	82	14.09.2022	ECE Department, GNIT	Application of computer network	PO 1 -4 , PO 7-12 , PSO 1-3
03	IoT	MahendraDutt, Ardent Computech Pvt. Ltd.	Seminar	85	23.08.2022	ECE Department, GNIT	IoT application and IoT based system design	PO 1 -4 , PO 6-12 , PSO 1-3
04	Role of Electronics Engineers in OIL Sector	Mr.Ayan Roy , DGM , IOCL	Seminar	86	22.07.2022	ECE Department, GNIT	Current trends in Machine learning and relevance with Electronics Engineering	PO1 to 12 PSO 2- 3
05	PSU and Govt sector applications	Mr. Apratim Neogi, BIO , Govt. of WB	Workshop	86	19.06.22	ECE Dept., GNIT	Role of Electronics Engineers in Govt Sectors	PO1, PO2,PO6,PO9,P O12 , PSO1,PSO2
06	Applications of core	Mr. Amit Kumar Singha, Senior Manager	Seminar	88	05.02.22	ECE Dept., GNIT	Electronics in core	PO1, PO2,PO6,PO9,P O12 ,

	subjects in industry	(Design), Instrumentation & Automation Dept., McNally Bharat Engineering Company Limited, Former Lead Engineer (DCS & Project) , Yokogawa Middle East B.S.C					world and importance of higher studies	PSO1,PSO2
07	Machine Learning	Mr. Abhijit Das, Assistant Manager of Ogma Tech Lab, Kolkata.	Seminar	91	22.01.22	ECE Dept., GNIT	Different Machine Learning Algorithms, ANN, CNN and Deep Learning Model,	PO4,PO5,
08	Some modern tools like -Mentor-graphics	Mr. Pritam Banerjee, Assoc. Tech. Manager., Trident Techlab	Workshop	89	08.01.22	ECE Dept., GNIT	Modern Tools Usage(Mentor graphics and Tanne	PO1, PO2,PO6,PO9,P O12 , PSO1
09	Recent app developments	Mr. Rajmohan De Sarkar, CEO & Founder Director, Ardent	Seminar	86	18.12.21	ECE Dept., GNIT	Fundamentals of Android App	PO1, PO2,PO5,PO6,P O9,PO12 , PSO1,PSO2
10	IoT	Mr. Joydeep Nath, Trainer, MicroPro, Kolkata	Workshop	92	20.11.21	ECE Dept., GNIT	Application of IoT in smart agriculture, precision farming, conjugation of IoT and Cloud computing and Block chain	PO1, PO2,PO6,PO9,P O12 , PSO1
11	Python Programming	Mr. Farman Ul Haque, Trainer, Aspirevision	Seminar	89	01.10.21	ECE Dept., GNIT	Basics of Python	PO1, PO2,PO5,PO6,P O9,PO12 ,

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01	IoT	Souvik Sarkar, Ardent Computech Pvt. Ltd., Technical Head	Workshop	95	27.05.22	ECE Department, GNIT & Ardent Computech Pvt. Ltd.	IoT application and IoT based system design	PO1, PO2,PO5,PO6,P09,PO12 , PSO1,PSO2
	Robotics	Mr.Apurba Samanta, Software Engineer EY GDS	Seminar	88	21.05.2022	ECE Department, GNIT & UiPath	Introduction to Robotic Process Automation (RPA) with UiPath	PO1 to 12 PSO 2- 3
02	Applications of Electronics in Society	Mr. Samirendra Bhattacharya Kernel Sphere ,Development Manager	Seminar	84	13.05.22	ECE Department, GNIT & Ardent Computech Pvt. Ltd.	Applications of electronics in society, consumerism aspects of electronics, new technologies in electronics	PO4,PO5,
03	Some modern tools like VLSI Cadence	Mr. Sagar Mukherjee, Technical Lead, Sankalp Semiconductor (An HCL Technologies Company)	Workshop	89	22.04.22	ECE Department, GNIT	Basics of Cadence , a leading provider of EDA and Semiconductor IP, Hands on experience of designing of transistor, standard	PO1, PO2,PO6,PO9,P012 , PSO1

							cells, IP blocks, verification of gigascale, gigahertz SoC	
04	Application of computer network	Mr. P.K.Sinha Principal Calcutta Telecom Centre BSNL, Salt Lake Kolkata	Workshop	89	08.04.22	ECE Department, GNIT	Fundamentals of computer network, different protocol, challenges in networking, new technologies in computer network	PO1, PO2, PO6, PO9, PO12, PSO1
05	Fundamentals of Machine Learning	Mr. Koushik Ghosh, Sr. Engineer, Globsyn Technologies Limited, Kolkata`	Seminar	91	25.03.22	ECE Department, GNIT	Artificial Intelligence fundamentals, defining protocol of building strong machine learning system, Applications of different ML algorithms	PO1, PO2, PO6, PO9, PO12, PSO1
06	DSP Processor for Imaging	MahendraDutt, Ardent Computech Pvt. Ltd., Kolkata	Workshop	91	11.03.22	ECE Department, GNIT	Fundamentals of DSP Processor, Different commercial processor,	PO1, PO2, PO6, PO9, PO12, PSO1, PSO2

							researches on DSP processor	
07	Python Programming	Mr. Rajdeep Das, Trainer, Globsyn Business School, Kolkata`	Seminar	95	25.02.22	ECE Department, GNIT	Fundamentals of Python, Data science, Real world application of Python like improvement in Health Care	PO1 , PO3,PO4,PO5,P O6,PO7,PSO2,P SO3
08	Application of machine Learning in banking sector	Mr.Sujoy Saha ,Sr. System Engineer, ANZ Bank , Australia	Seminar	86	28.01.22	ECE Department, GNIT	Fundamentals of Fabrication Steps, Micromachining, Electronic Gas sensor fabrication	PO1, PO2,PO6,PO9,P O12 , PSO1,PSO2
09	Data Science applications	Anwesha Adhikary , Sr. Data Analyst , TCS	Online Seminar	85	09.12.21	ECE Department, GNIT	FET based Biosensor fundamentals, working procedure, recent advancement of biosensor	PO1, PO2,PO6,PO9,P O12 , PSO1
10	Modern tools	Mr. Deepayan pal, Director & Founder of Sikharthy Infotech Pvt.Ltd	Online Seminar	82	27.11.21	ECE Department, GNIT	MongoDB, Express, Angular, and Node, Mean Structure and Compon	PO1, PO2,PO5,PO6,P O9,PO12 , PSO1,PSO2

							ents, the usages and security	
11	DSP Processor	Mr. Shouvik Sarkar, Ardent Computech Pvt. Ltd., Technical Head	Online Seminar	86	11.11.21	ECE Department, GNIT	Fundamentals of DSP Processor, Advancements in DSP Processor	PO1, PO2, PO6, PO9, PO12, PSO1
12	Application of Antenna in Telecommunication Industry	Mr. P.K.Sinha Principal Calcutta Telecom Centre BSNL, Salt Lake Kolkata	Online workshop	90	21.10.21	ECE Department, GNIT	Basics of antenna, different types of antenna used in telecommunication industry, employability of antenna in modern telecommunication sector, technological challenges	PO1, PO2, PO6, PO9, PO12, PSO1
13	Machine Learning	Mr. Mahendra Dutt, Ardent Computech Pvt. Ltd.	Online workshop	94	07.10.21	ECE Department, GNIT & Ardent Computech Pvt. Ltd.	Different ML models, supervised, employability of CNN models in different sectors	PO4, PO5,
14	Cloud Computing	Mr. Debashish Majumdar, Associate Director, CDAC	Online seminar	85	29.09.21	ECE Department, GNIT	Fundamentals of cloud computing	PO1, PO2, PO5, PO6, PO9, PO12, PSO1, PSO2

							ng, AWS server and application of cloud computing in smart agriculture	
15	IoT	Mr Koushik Sett, Mainframe Engineer	Online Seminar	88	15.09.21	ECE Department, GNIT	IoT fundamentals, Internet of medical things and its applications in healthcare industry	PO1, PO2,PO5,PO6,P09,PO12 , PSO1,PSO2
16	Microelectronics Fabrication	Mr. Sagar Mukherjee, Technical Lead, Sankalp Semiconductor (An HCL Technologies Company)	Online seminar	82	26.08.21	ECE Department, GNIT	Nano dimensional Device modelling and analysis	PO1, PO2,PO6,PO9,P012 , PSO1,PSO2
17	MATLAB Simulink	Dr. Chandan Kumar Chanda, Professor, EE Dept., IEST Shibpur	Online workshop	87	19.08.21	ECE Department, GNIT	Basic programming in MATLAB, Signal processing analysis using MATLAB	PO1, PO2,PO6,PO9,P012 , PSO1,PSO2
18	Mentor Graphics	Mr. Pritam Banerjee, Assoc. Tech. Trident Techlab	Online workshop	86	05.08.21	ECE Department, GNIT	Fundamentals of Mentor graphics, applications of mentor graphics in VLSI	PO4,PO5,

							circuit design	
19	Applications of Electronics in Society	Simoco industries	Online seminar	82	22.07.21	ECE Department, GNIT	Mobile communication fundamentals, mobile communication network design, challenges in designing mobile communication network	PO6, PO7, PO8, PO12, PSO2
20	Python Programming	Ayon Pal Senior Manager, ARDENT Tech Lab	Online workshop	92	10.07.21	ECE Department, GNIT	Fundamentals of Python Programming, applications of python programming in machine learning, artificial intelligence	PO1, PO2, PO6, PO9, PO12 , PSO1
21	GenNext Trends on Nano-scale Devices towards Industrial Revolution 5.0	Dr. debanjan Acharya, Asst. Prof, ECE, IIIT-Ranchi, Dr. Koushik Dutta, Asst. Prof, ECE, IIITDM-Jabalpur, Dr. Basanta Bhawmik, Asst. prof, ECE, NIT- Jamshedpur, Dr. Sunipa Roy, Asso. Prof, & HOD, ECE, GNIT-Kolkata	National Faculty Development Program	108	15.02.2222 - 19.02.2222	ECE Department, GNIT	Fundamentals of Nano scale devices and its advancement. Applications in industry	PO1, PO2, PO6, PO9, PO12 , PSO1
CAYm2(2020-21)								

01	Python Programming		Seminar	89	17.06.21	ECE Dept., GNIT	Basics of Python and Java, Multiprocessing using Python web framework like Django, Flask, Pyramid, Bottle and CherryPy	PO1, PO2, PO6, PO9, PO12, PSO1
02	Machine Learning	Mr Archit Verma, Sr. Trainer, Aspirevision Tech Education Pvt. Ltd	Online Seminar	86	17.05.21	ECE Dept., GNIT	Importance of artificial intelligence and machine learning; requirements of building a strong machine learning system; how machine learning may be used to implement real-world task; benefits and limitations of machine learning at the workplace ;and so on	PO1, PO2, PO6, PO9, PO12, PSO1
03	IoT	Mr. Shouvik Sarkar, Ardent Computech Pvt. Ltd.	Online Seminar	91	10.05.21	ECE Dept., GNIT	IoT fundamentals and Thinkspeak, Internet of Things	PO1, PO2, PO5, PO6, PO9, PO12, PSO1, PSO2
04	Cloud Computing	Mr. Rajmohan De Sarkar, Consultant in Wipro, Capgemini, Tech Mahindra, Lexmark	Online Workshop	92	17.04.21	ECE Dept., GNIT	Fundamentals of Cloud Computing, Cloud server, Fog Computing and Difference between them, Microsoft Azure Web service	PO1, PO2, PO5, PO6, PO9, PO12, PSO1, PSO2
05	Some modern tools like - Mentor-graphics	Mr. Pritam Banerjee, Assoc. Tech. Manager., TridentTechlab	Online Seminar	91	11.04.21	ECE Dept., GNIT	Modern Tools Usage(Mentor graphics and Tanner software) for VLSI project	PO1, PO2, PO6, PO9, PO12, PSO1, PSO2
06	Applications of core subjects in industry	Mahendra Dutt, Ardent computech Private Ltd	Online Seminar	86	23.03.21	ECE Dept., GNIT	Block Chain and its implementation at core industry. Block Chain programming using Python	PO1, PO2, PO6, PO9, PO12, PSO1, PSO2

07	DSP Processors	Dr. Arko Dutta, Samsung R&D	Online Seminar	82	12.03.21	ECE Dept., GNIT	Advanced knowledge of DSP processor and its application in data acquisition system	PO4,PO5 ,
08	Applications of Electronic in society	Avishek Ghosh, CTS, Kolkata	Online Workshop	90	16.02.21	ECE Dept., GNIT	Remote sensing, Smart sensor development	PO1, PO2,PO6 ,PO9,PO12 , PSO1
09	Cloud Computing	Mr. Asish Kumar Sharma, Trainer (ARDENT Computech Pvt. Ltd.)	Online Seminar	84	02.02.21	ECE Dept., GNIT	Basics of cloud computing and its architecture, application in everyday life	PO1, PO2,PO5 ,PO6,PO9,PO12 , PSO1,PSO2
10	Recent app developments	Mr Amar Banerjee from Ogma Tech Labs, Kolkata	Online Workshop	82	18.01.21	ECE Dept., GNIT	Android app development, JAVA SCRIPT, App development for COVID update	PO1, PO2,PO6 ,PO9,PO12 , PSO1
11	MATLAB Toolbox	Dr. Subrata Chattapadhyay (Professor, NITTTR)	Online Seminar	87	08.01.21	ECE Dept., GNIT	Advanced MATLAB programming, Applications of MATLAB in signal processing	PO1, PO2,PO5 ,PO6,PO9,PO12 , PSO1,PSO2
12	IoT	Mr. Deepayan Pal, Director & Founder, Sikharthy Infotech Pvt.Ltd.	Online Workshop	93	01.12.20	ECE Dept., GNIT	Application of IoT in smart agriculture, precision farming, conjugation of IoT and Cloud computing and Block chain	PO1, PO2,PO6 ,PO9,PO12 , PSO1
13	Machine Learning	Ayon Pal Senior Manager, ARDENT Tech Lab Mr. Prosun Ghosh, Asst. Engg. ARDENT Tech Lab	Online Workshop	86	12.11.20	ECE Dept., GNIT	Different Machine Learning Algorithms, ANN, CNN and Deep Learning Model, Application of CNN in image processing, COVID-19 prevention	PO8,PO9 ,PO10,PO11,PO12,PSO2,SO3
14	Python Programming	Mahendra Dutt, Ardent computech Private ltd	Online Workshop	91	17.10.20	ECE Dept., GNIT	Basics of Python Programming, python library, application of python in Artificial Intelligence, Data Analytics using Python	PO1, PO2,PO6 ,PO9,PO12 , PSO1,PSO2

15	Recent app developments	Avishek Ghosh, CTS, Kolkata	Online Seminar	92	05.10.20	ECE Dept., GNIT	Fundamentals of Android App Development and app design for COVID-19 prevention.	PO1, PO2, PO5, PO6, PO9, PO12, PSO1, PSO2
16	Applications of Electronic in society	Mr. Abhijit Das, Asst. Manager, O GMA Tech Lab	Online Workshop	84	22.09.20	ECE Dept., GNIT	Embedded system in Industry and the academia	PO1, PO2, PO6, PO9, PO12, PSO1, PSO2
17	Applications of core subjects in industry	Mr. Rajmohan De Sarkar (Ardent Computech)	Online Seminar	82	14.08.20	ECE Dept., GNIT	Electronics in core world and importance of higher studies	PO1, PO2, PO6, PO9, PO12, PSO1, PSO2
18	Machine Learning	Ayon Pal Senior Manager, ARDENT Tech Lab Mr. Prosun Ghosh, Asst. Engg. ARDENT Tech Lab	Online Seminar	89	15.07.20	ECE Dept., GNIT	Clustering and different clustering mechanisms. Application of clustering to detect unknown target in image processing.	PO4, PO5,
19	Application of Machine Intelligence Towards Digital India	Mr. Apratim Neogi , BIO, Govt. of WB	Student Development Program	112	22.06.2021 – 26.06.2021	ECE Dept., GNIT	Introduction to machine learning and its applications in different fields	PO1, PO3, PO4, PO5, PO6, PO7, PSO2, PSO3
20	Electronics Devices, Image Processing and Machine Learning.	Mr. Debasis Banerjee , Sr. Manager, Accenture pvt. Ltd	Online Seminar	101	11.08.2020 – 15.08.2020	ECE Dept., GNIT	Application of machine learning, Image processing and application of nano electronic devices in industry.	PO1, PO3, PO4, PO5, PO6, PO7, PSO2, PSO3
CAYm3(2019-20)								
01	Cloud Computing	Abhishek Mitra, CEO & Co Founder of Indian Cyber Security Solutions	Online Seminar	91	23.06.20	ECE Dept., GNIT	Fundamentals of Cloud Computing, Cloud server, Fog Computing and Difference between them,	PO1, PO2, PO6, PO9, PO12, PSO1
02	IoT	Mr. Abhijit Das,	Online Seminar	87	09.06.20	ECE Dept.,	Application of IoT in smart	PO1, PO2, PO6

		Assistant Manager of Ogma Tech Lab, Kolkata.				GNIT	agriculture, precision farming, conjugation of IoT and Cloud computing	,PO9,PO12 , PSO1
03	Some modern tools like - Mentor-graphics	Mr. Pritam Banerjee, Assoc. Tech. Manager., TridentTechlab	Online Workshop	86	13.05.20	ECE Dept., GNIT	Modern Tools Usage(Mentor graphics and Tanner software) for VLSI project	PO1, PO2,PO6 ,PO9,PO12 , PSO1
04	MATLAB Toolbox	Dr. Subrata Chattopadhyay (Professor, NITTTR)	Online Seminar	90	22.04.20	ECE Dept., GNIT	Advanced MATLAB programming, Applications of MATLAB Image Processing	PO1, PO2,PO6 ,PO9,PO12 , PSO1
05	Python Programming	MahendraDutt, Ardent computechPrivate ltd	Online Workshop	89	08.04.20	ECE Dept., GNIT	Basics of Python Programming, python library, application of python in Artificial Intelligence,	PO1, PO2,PO5 ,PO6,PO9,PO12 , PSO1,PSO2
06	Recent app developments	Mr. Tanmoy Bose, Application Architect – IBM, Switzerland	Online Seminar	92	26.03.20	ECE Dept., GNIT	Fundamentals of Android App prevention.	PO1, PO2,PO5 ,PO6,PO9,PO12 , PSO1,PSO2

Industrial Visit

Academic Year	Name of Organization	No. of Students	Nature of training	Duration (Date)	No. of days
2021-22 (CAYm1)	Euphoria Genx	35	Industrial Visit	21 st May, 2022	1
	Geetanjali Solar Enterprise	48	Industrial Visit	4 th May, 2022	1
2020-21 (CAYm2)	Webskitters Technology Solutions Pvt. Ltd. (Virtual)	64	Industrial Visit	16 th April, 2021	1

	Global Foundries (Virtual)	52	Industrial Visit	9 th February, 2021	1
2019-20 (CAYm3)	Indian Oil Corporation Limited (Durgapur, WB)	30	Industrial Visit	27 th February, 2020	1
	Geetanjali Solar Enterprise	41	Industrial Visit	19 th November, 2019	1





INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiatives)



GNIT

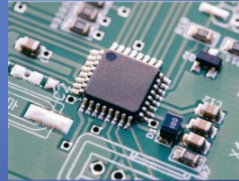


JIS GROUP
Educational Initiatives

VIRTUAL INDUSTRY VISIT (2nd Phase)

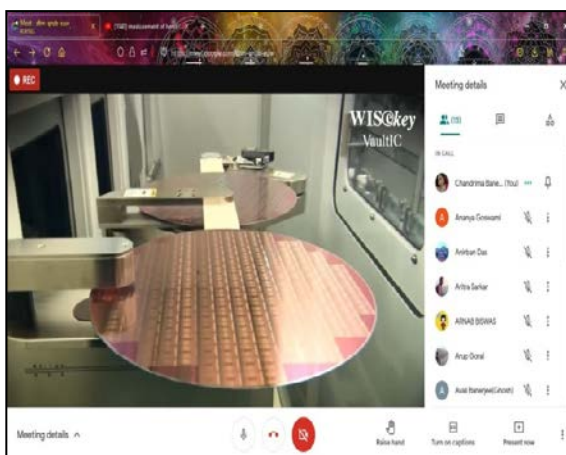
In Collaboration With
Webskitters Technology Solutions Pvt. Ltd.
<https://meet.google.com/rix-mvnp-yng>

Organized by
**Department of Electronics &
Communication Engineering**
Guru Nanak Institute of Technology



Date: 16.04.2021 (Friday)
Time: 3 PM to 4 PM

Facilitator: Mr. Debasish Ghosh
[Sr. Technical Manager, Webskitters]
Coordinator: Dr. Kaushik Roy
Ms. Anurima Majumdar



Events organized under the Professional Society

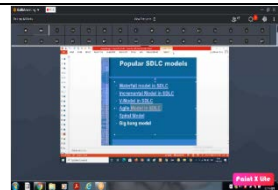
CAY (2022-23)

Sl. No.	Organized by	Event Name	Inter/ Intra College/ National	Date	Picture
1	ECE in collaboration with IEI Student Chapter	Workshop on “Methodology for Research on Performance Pedagogy”	Intra College	25.07.2022	
2	ECE in collaboration with IEI Student Chapter	Seminar on “Different Aspects of Intellectual Property Rights”	Intra College	09.08.2022	
3	ECE in collaboration with IEI Student Chapter	Seminar on “Linear Integrated Circuits”	Intra College	07.09.2022	
4	ECE in collaboration with IEI Student Chapter	Seminar on “Cloud Computing”	Intra College	22.11.2022	
5	ECE in collaboration with IEI Student Chapter	Workshop on “An Overview of Research Methodology”	Intra College	05.12.2022	

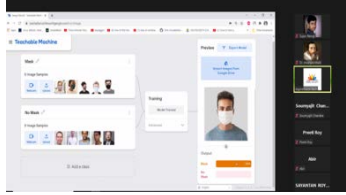
6	ECE in collaboration with IEI Student Chapter	Workshop on “Robotics and Manufacturing Equipment”	Intra College	20.01.2023	
7	ECE in collaboration with IEI Student Chapter	Workshop on “Microcontroller Based Embedded System Design”	Intra College	01.02.2023	
8	ECE in collaboration with IEI Student Chapter	Seminar on “Deep Learning with Python”	Intra College	03.03.2023	

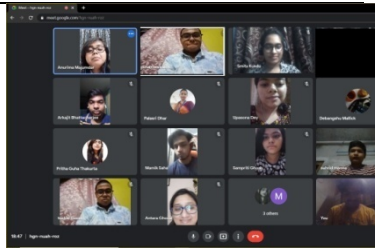
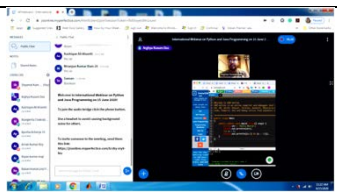
CAYm1 (2021-22)

Sl. No.	Organized by	Event Name	Inter/ Intra College/ National	Date	Picture
1	ECE in collaboration with IEI Student Chapter	Seminar on “Physics in an Astronomy Context”	Intra College	13.07.2021	
2	ECE in collaboration with IEI Student Chapter	Seminar on "Role of IPR in Economic Growth"	Intra College	03.11.2021	
3	ECE in collaboration with IEI Student Chapter	Seminar on “Internet of Things and its Applications”	Intra College	04.03.2022	

4	ECE in collaboration with IEI Student Chapter	Seminar On “Entrepreneurship Development – Power of Ideas”	Intra College	01.04.2022	
5	ECE in collaboration with IEI Student Chapter	Seminar on “Basics of IoT and its Applications”	Intra College	22.04.2022	
6	ECE in collaboration with IEI Student Chapter	Online Seminar on “Software Development Life Cycle for Web Application”	Intra College	12.05.2022	
7	ECE in collaboration with IEI Student Chapter	Seminar on “sustainable development challenges and prospects”	Intra College	28.06.2022	

CAYm2 (2020-21)

Sl. No.	Organized by	Event Name	Inter/ Intra College/ National	Date	Picture
1	ECE in collaboration with IEI Student Chapter	Online Seminar on “Machine Learning and their Scope”	Intra College	17.10.2020	
2	ECE in collaboration with IEI Student Chapter	Online Workshop on “Value of IPR in Modern Research”	Intra College	05.01.2021	

3	ECE in collaboration with IEI Student Chapter	Online Seminar on “Transformation of Engineer to Entrepreneur -A Global Expectation”	Intra College	20.02.2021	
4	ECE in collaboration with IEI Student Chapter	Online Seminar on “Block Chain”	Intra College	23.03.2021	
5	ECE in collaboration with IEI Student Chapter	Seminar on “Research Methodology”	Intra College	02.04.2021	
6	ECE in collaboration with IEI Student Chapter	Online Seminar on “Python & Java Programming”	Intra College	06.04.2021	
7	ECE in collaboration with IEI Student Chapter	Online Seminar on “TPR for AI-based Innovations”	Intra College	22.06.2021	