

**ACTIVITY BASED LEARNING (ABL)/PRACTICAL BASED LEARNING (PBL)****Session: 2020-2021 (Odd)**

<b>Sl. No.</b>	<b>Date of Activity</b>	<b>Title of the Activity</b>	<b>Conducted by (Faculty)</b>	<b>Subject Code</b>	<b>Mapping with CO's</b>	<b>Online Link</b>
01	17-09-2020	Study of different types of Network cables and practically implement the cross-wired cable and straight through cable using clamping tool.	Mr. Dheeraj Tripathi, Mr. Kamal Bhatia	REC701	CO4	<a href="#">ABL-PBL_REC701.docx</a>
02	17-09-2020	Kirchhoff's current law	Mrs. Sarabjeet Kaur, Mr. Sourabh Katiyar	KEC353	CO1	<a href="#">KEC353.docx</a>
03	11-10-2020	Microchip Fabrication Simulation	Mr. Amit Kumar	KEC053	CO4	<a href="#">ABL_KEC053.docx</a>
04	20-10-2020	Design of full adder using two half adder and design of half adder using NAND gates on PSpice.	Ms. Swarnima	KEC072	CO5	<a href="#">KEC072_ODD_20-21.docx</a>
05	11-11-2020	Design of full adder using two half adder and design of half adder using NAND gates	Mr. Ravi Pandey, Ms. Meenakshi Sharma, Ms. Neha	KEC501	CO2	<a href="#">ABL_REC501A.docx</a>
06	19-11-2020	To design and implement a fiber optic communication link.	Himanshu Yadav	KEC058	CO1	<a href="#">KEC058.docx</a>
07	26-11-2020	designing and programming a system that interfaces with sensors, displays, or actuators, emphasizing real-world applications.	Mr. Amit Kumar Yadav	KEC502	CO3	<a href="#">KEC502.docx</a>
08	10-12-2020	Effect of decimation and interpolation process on sinusoidal signal for discrete time signal	Mr. Devendra Pratap	KEC503	CO5	<a href="#">ABL_KEC503.pdf</a>

09	22-12-2020	An activity involving the use of digital design simulation tools to model and verify digital circuits.	Dr. V. K. Pandey	KEC302	CO3	<a href="#">KEC302.docx</a>
10	25-12-2020	An activity where students troubleshoot faulty electronic circuits, identifying and fixing issues with diodes, transistors, and other components.	Mr. Ashutosh Singh	KEC301	CO2	<a href="#">KEC301.docx</a>

**Session: 2020-2021 (Even)**

01	28-04-2021	Performing an Initial Switch Configuration	Mr. Dheeraj Tripathi, Mr. Kamal Bhatia	REC-080	CO2	<a href="#">ABL-PBL_E_S.docx</a>
02	14-04-2021	Design and implement PID controllers	Mr. Devendra Pratap, Mr. Saurabh Katiyar	KEC-652	CO2	<a href="#">PBL_K_EC652.docx</a>
03	06-04-2021	Using software tools to simulate and analyze communication systems, allowing students to experiment with modulation techniques, channel coding, and decoding algorithms.	Ms. Kanika Jindal	KEC401	CO1	<a href="#">KEC401.docx</a>
04	09-04-2021	Transistor biasing circuits and designing amplifiers using bipolar junction transistors (BJTs) or field-effect transistors (FETs).	Mr. Ashutosh Singh	KEC402	CO3	<a href="#">KEC402.docx</a>
05	13-04-2021	Practical activities involving the Fourier transform and frequency domain analysis.	Dr. Prasanna Kumar Singh	KEC403	CO2	<a href="#">KEC403.docx</a>
06	16-04-2021	Hamming Source Coding in Digital Communication.	Mr. Himanshu Yadav	KEC601	CO4	<a href="#">KEC601.docx</a>
07	27-04-2021	Behaviour of Electromagnetic Waves (EM Wave) when Obstacle of different material is placed in between Transmitting & Receiving Horn Antenna.	Md. Sazid	KEC603	CO2	<a href="#">KEC603.docx</a>

08	30-04-2021	An activity where students experiment with various wireless communication protocols such as Wi-Fi, Bluetooth, or Zigbee.	Mrs. Shikha Singh	REC085	CO3	<a href="#">REC085.docx</a>
09	29-04-2021	An activity where students explore the concepts of real-time operating systems.	Ms. Khusboo	KEC061	CO3	<a href="#">KEC061.docx</a>