

**GOVT. HOLKAR (MODEL AUTONOMOUS)
SCIENCE COLLEGE, INDORE**



(An ISO 9001:2015 & ISO 14001:2015 Certified Institution)



SSR DOCUMENT

2017-18 to 2021-22

CRITERION -7

Institutional Values and Best Practices

Metric No. : 7.2.1

Document Title:

**B. Emancipation of Digital Transformation of
Education: Blending Pedagogy with Technology
VIII.Virtual Labs @Holkar**

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Virtual Labs @Holkar

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Govt. Holkar (Model, Autonomous) Science College, Indore



An indigenously developed
Virtual Lab @ Holkar LMS

Virtual Lab



<https://www.lms.holkar.org/>

Science Communication
Video Lecture -01-to-05

An Initiative of Department of
Physics and Electronics



Indexing Of A Cubic Crystal X-Ray Diffraction Patterns-Mathematical Method

E-Text



Video/ Visuals



Animation/Simulation



Do Yourself



Learn More



Self-Assessment












Sample Data

☒ User Define

☐ FCC

☐ BCC

☐ SCC

S.N.	Enter 2 θ Value	
1	<input type="text" value="0"/>	
2	<input type="text" value="0"/>	
3	<input type="text" value="0"/>	
4	<input type="text" value="0"/>	
5	<input type="text" value="0"/>	
6	<input type="text" value="0"/>	
7	<input type="text" value="0"/>	
8	<input type="text" value="0"/>	
		

Select Lamda(Λ)

CuK α (1.540562 Å) 

Your Name

Your Email ID

Step I: Identify the peaks and their proper 2 θ values. Here are the typical eight 2 θ -value entry fields provided with this interface. You can increase or delete rows for data elements depending upon the test X-ray pattern. Also choose the relevant wavelength of X-ray source.

SUBMIT

RESET

Logic Gate- Simulator

E-Text

Video/ Visuals

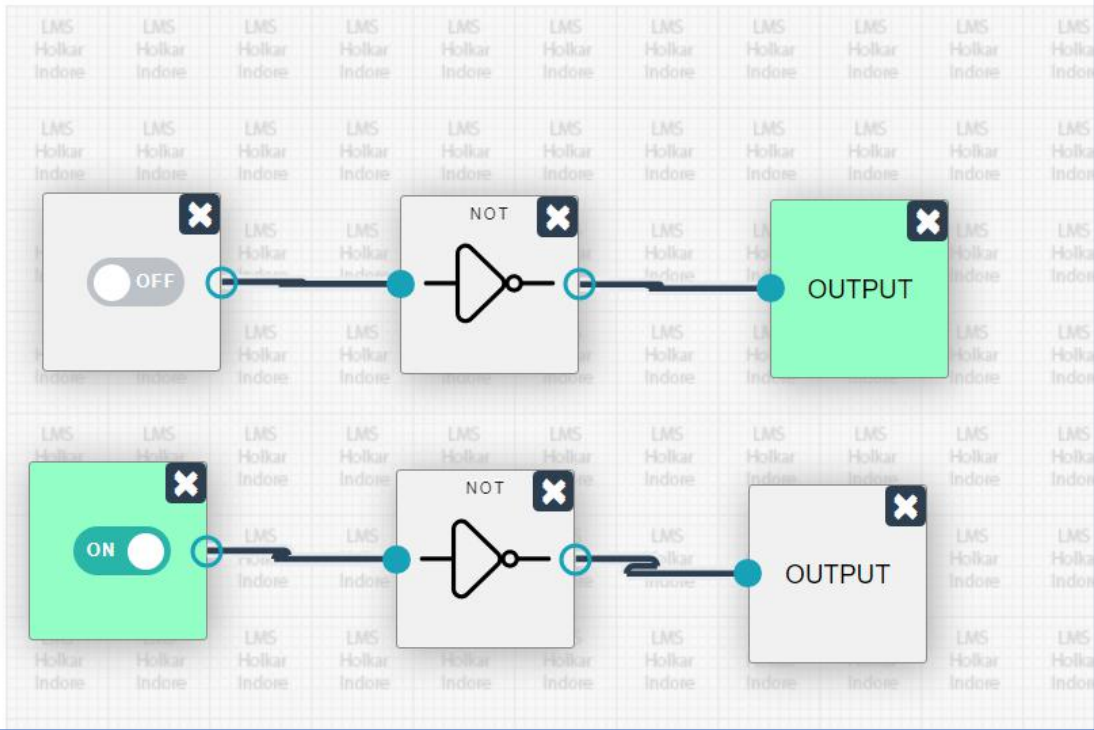
Animation/Simulation

Do Yourself

Learn More

Self-Assessment

Workspace



INPUT

Add node

Full screen mode

Clear Workspace

Prepare Binary Table

Clear Binary Table

INPUT

INPUT

OUTPUT

NOT

AND

AND (3 inputs)

NAND

OR

NOR

XOR

Planck's Law Of Black-Body Radiation

E-Text

Video/ Visuals

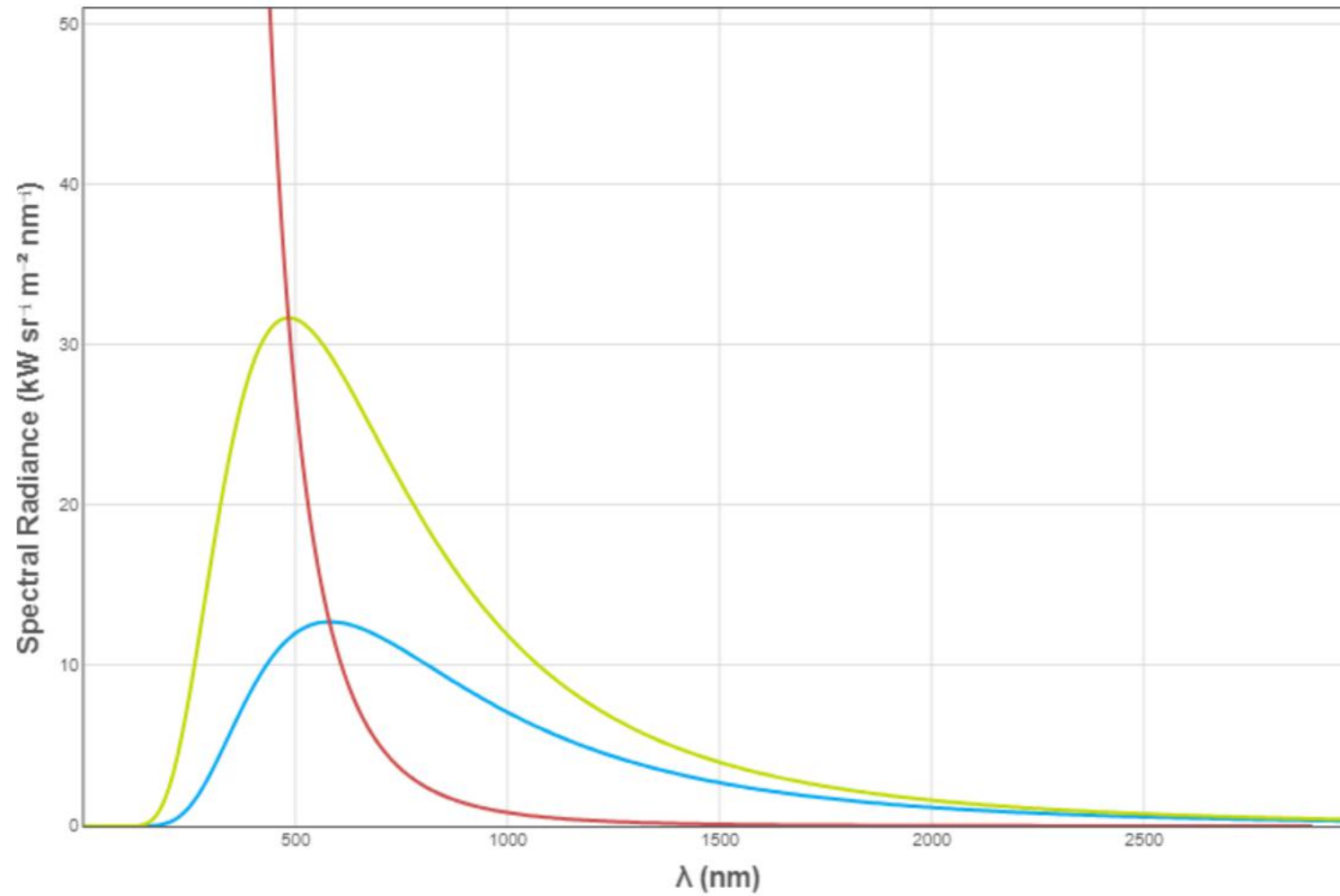
Animation/Simulation

Do Yourself

Learn More

Self-Assessment

Workspace



Temperature 1

5000

K

Temperature 2

6000

K

Display Wien's Displacement Law?



Probability distribution of a two-option system (even and odd) with the help of rolling dice

E-Text	▼
Video/ Visuals	▼
Animation/Simulation	▼
Do Yourself	▼
Learn More	▼
Self-Assessment	▼

Select Option

2 Option

No of Die

2

Your Name

Your Email ID

SUBMIT

RESET

