



INDIRA GANDHI INSTITUTE OF TECHNOLOGY
SARANG, DHENKANAL, ODISHA-759146
ଇନ୍ଦିରା ଗାନ୍ଧୀ ବୈଷୟିକ ଅନୁଷ୍ଠାନ, ସରାଙ୍ଗ
(An Autonomous Institute of Govt. of Odisha)

Ref No. 1GIT/DIP/569

Date: 31-10-2025.

CIRCULAR

It is for the information of all the students of Diploma/UG/PG Programme that different add-on Skill Courses are available on the Coursera Online Platform. All the students are advised to complete one course from different disciplines available on **Coursera** by **31-12-2025** by registering in the Digital Skilling Portal.

Registration Link: <https://digitall.skillodisha.gov.in/skill-development>

In case you encounter any challenges during the registration process, please contact Mr. H. S. Dash, Nodal Officer, Digital Skilling (Mob No- 9160497096, Email ID: hsdash@igitsarang.ac.in)

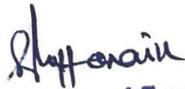
Note: For 1st, 3rd, and 5th Semester Diploma Students, it is mandatory, and the list of Mapped Courses are attached for your reference.


31-10-2025
DIRECTOR

Copy to:

1. Institute Notice Board and Hostel Notice Board for the information of all students concerned.
2. Nodal Officer Digital Skilling for information and necessary action.
3. All HODs/Deans for kind information and necessary action.
4. Prof. G. Ghosh, I/C institute website for information and necessary action.
5. PA to the Director for the kind information of the Director.

Sl. No	Semester/ Branch	Coursera add on skill Courses to be implemented w.e.f.01.09.2025	Duration of Course	To be Completed by
1	1 st & 3 rd Civil engg.	i)Engg. Structures: Tension ii) Engg. of Structures: Compression iii) Engg. of Structures: shear & Bending	i)13 hrs ii)11 Hrs iii)14 Hrs	31.12.2025
2	1 st & 3 rd Mechanical engg.	i)Introduction to Engg. Mechanics ii)Introduction to mechanical Engg. Design & manufacturing with fusion 360	i)15 Hrs ii)07 Hrs	31.12.2025
3	1 st & 3 rd Electrical engg	i) introduction to Solar Cells: Technical University of Denmark ii) introduction to Semiconductor to devices -1-KAIST iii)Electrical Power Generation: An industrial outlook L&T Edutech iv)Linear Circuit 1:DC Analysis: 1 Georgia institute of Technology v)Linear Circuit 1 : AC Analysis: Georgic institute of technology	i)23 Hrs ii)8 Hrs iii)11 Hrs iv)85 Hrs v)28 Hrs	31.12.2025
4	1 st & 3 rd Mechatronics	i)Fundamentals of Robotics & industrial Automation a) Sensor and transducer in Machine Tools & Robots b) Servo Systems in Machine Tools & Robots ii) Foundations of Robot motion a) introduction to Modern Robotics b) Configuration Space c)Rigid-Body Motion	i)10 Hrs ii)24 Hrs	31.12.2025


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5	1 st & 3 rd computer Science & Engg.	i) Java Programming: Arrays, Lists and Structure data – Duke University ii) Java Programming: Solving, problems with Software – Duke University	i) 14 Hrs ii) 17 Hrs	31.12.2025
6	1 st & 3 rd IT	i) introduction to Hardware & operating System-IBM ii) Java Programming: Arrays, Lists and Structure data – Duke University	i) 17 Hrs ii) 14 Hrs	31.12.2025

7	1 st & 3 rd automobile engg	i) Introduction to mechanical Engg. Design & Manufacturing with fusion 360 ii) introduction to Self-Driving Car iii) Mechanics of Material: Fundamentals of Stress and Strain and Axial loading iv) introduction to Engg. Mechanics v) Material Science: 10 things every Engineers should know vi) Fundamental of Fluid Power	i) 07 Hrs ii) 35 Hrs	31.12.2025
8	1 st & 3 rd ELECT & ETC Engg	i) introduction to Solar Cells: Technical of University of Denmark ii) introduction to Semiconductor Devices: 1-KAIST iii) Electrical Power Generation: AN industrial Outlook- L&T Edutech iv) Linear Circuits 1: DC Analysis - Georgia institute of Technology v) Linear Circuit 1: AC Analysis: Georgia institute of Technology	i) 23 Hrs ii) 8 Hrs iii) 11 Hrs iv) 85 Hrs v) 28 Hrs	31.12.2025

9	1 st & 3 rd AE&IE	i) Introduction to Electronics-Georgia institute of technology	i)46 Hrs	31.12.2025
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Sl. No.	Semester/ Branch	Coursera add on skill courses to be implemented w.e.f.01.09.2025	Duration of course	To be completed by
1	5 th Civil Engg.	i)Construction Project Management ii)Construction Sceduling iii) BIM Fundamentals of Engineers	i)29 Hrs ii)24 Hrs iii)13 Hrs	31.12.2025
2	5 th Mechanical Engg.	i)Mechanics of Materials I: Fundamentals Stress & Strain and Axial Loading ii)CAM design Manufacturing for Mechanical Engineers with Autodesk Fusion 360 iii) Fundamentals of Robotics and Industrial Automobiles	i)18 Hrs ii)16 Hrs iii)09 Hrs	31.12.2025
3	5 th Electrical Engg.	i)Electric Power System -State University of New York ii) Design of Transmission Lines: -Modeling & Performance L&T Edutech iii) Converter Circuits-University of Colorado Boulder	i)12 Hrs ii)16 Hrs iii)19 Hrs	31.12.2025
4	5 th Mechatronics Engg.	i) Robot Kinematics a) Forward Kinematics b) Inverse Kinematics ii) Robot Dynamics a) Dynamics of Open Chains b) Trajectory Generation	i) 18 Hrs ii)22 Hrs	31.12.2025
5	5 th Computer Science & Engg.	i) Introduction of Python - Arizona State University ii) Data Bases and SQL for Data Science with Python -IBM	i)17 Hrs ii)20 Hrs	31.12.2025
6	5 th IT	i) Introduction of Python - Arizona State University ii) Data Bases and SQL for Data Science with Python -IBM	i)17 Hrs ii)20 Hrs	31.12.2025
7	5 th Automobile Engg.	i) Automotive Industrial Engg. ii) Introduction to Self-Driving Car	i)6 Hrs ii)35 Hrs iii)16 Hrs	31.12.2025


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		iii) CAM design Manufacturing for Mechanical Engineers with		
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8		Autodesk Fusion 360 iv) Machine Design Part 1	iv)	
9	5 th ELECT & ETC Engg.	i) Electric Power System - State University of New York ii) Design of Transmission Line: Modeling of performance - L&T Edutech iii) Converter Circuit - University of Colorado Boulder	i)12 Hrs ii)16 Hrs iii)19 Hrs	31.12.2025
10	5 th AE&IE	i) Introduction of Power Electronics - University of Colorado Boulder ii) Sensors and Sensor Circuit Design - University of Colorado Boulder	i)12 Hrs ii)32 Hrs	31.12.2025


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