

2021-22



# कौशल विकास कार्यक्रम Skill Development Programmes

2021-22

(अप्रैल- जून, 2021)

Organized Under:

सीएसआईआर एकीकृत कौशल पहल कार्यक्रम  
CSIR Integrated Skill Initiative Programme



सीएसआईआर-केंद्रीय वैज्ञानिक उपकरण संगठन

सेक्टर 30-सी, चंडीगढ़ -160030

वेबसाइट: <https://www.csio.res.in>

CSIR-Central Scientific Instruments Organisation

Sector 30-C, Chandigarh-160030

Website: <https://www.csio.res.in>



## सीएसआईआर - सीएसआईओ का विवरण / About CSIR-CSIO

CSIR-Central Scientific Instruments Organisation (CSIR-CSIO), a constituent unit of Council of Scientific & Industrial Research (CSIR), is a premier national laboratory dedicated to research, design and development of scientific and industrial instruments. It is a multi-disciplinary and multi-dimensional apex industrial research & development organisation in the country to stimulate growth of Instrument Industry in India covering wide range and applications.

CSIR-CSIO is a multi-disciplinary R&D lab having well equipped laboratories manned by highly qualified and well-trained staff with infrastructural facilities in the areas of Agrionics; Medical Instrumentation and Prosthetic Devices; Optics and Cockpit based Instrumentation; Fiber/Laser Optics based Sensors & Instrumentation; Analytical Instrumentation; Advanced Materials based Transducers, etc. Large number of instruments ranging from simple to highly sophisticated ones, have been designed and developed by the Institute and their know-hows have been passed on to the industry for commercial exploitation. Having contributed substantially towards the growth of the scientific instruments industry in the country, CSIR-CSIO enjoys high degree of credibility among the users of the instruments as well as the instrument industry.



## सीएसआईओ-आईएसटीसी का विवरण / About CSIO-ISTC

CSIO-Indo Swiss Training Centre (CSIO-ISTC) was established in the year 1963 in collaboration with the “Swiss Foundation for Technical Assistance, Switzerland”. Since its inception, the Centre has come a long way and made its presence felt at the regional and the national level in skill development. The Centre has interdisciplinary programmes in tune with global trends in technical education.

The ISTC adopts unique methodology of the practice-oriented training in institute. CSIO-ISTC providing skilled manpower in the area of Mechanical, Mechatronics, Electronics, Industrial automation, CAD/CAM, Die and Mould for the growth of nation.





## सीएसआईआर एकीकृत कौशल पहल कार्यक्रम

### CSIR Integrated Skill Initiative Programme

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Council of Scientific and Industrial Research (CSIR) is embarking upon “Skill India” mission of the Government of India under its ‘CSIR Integrated Skill Initiative’ Programme. Under this umbrella of skill India, CSIR laboratories have taken up various skill training programs under different domains on pan India basis.

On 24th September, 2016 honorable Prime Minister Shri. Narendra Modi inaugurated “CSIR Platinum Jubilee” Celebration. On this occasion, Dr. Harsh Vardhan, Minister of Science & Technology, Health & Family Welfare and Earth Sciences launched “CSIR Integrated Skill Initiative” programme on pan India basis in CSIR labs. The aim is to train people in India in different skill areas by 2022. All these training programs are interconnected and linked to industry requirement thus would invariably contribute to subsequent employment generation, including small scale entrepreneurship.

The First Phase of this programme is successfully completed in year 2020 with total 53 training programs in which total 3448 trainees were trained in different domain areas by CSIR-CSIO, Chandigarh.

The Second Phase of this programme has been launched in year 2020 for next 5 years (2020-25) and Approx. 10,000 trainees will be trained in different domain areas upto the year 2025 by CSIR-CSIO, Chandigarh.

### *मिशन / Mission:*

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To generate quality human resource at various levels by providing and upgrading skills in all the possible fields.

### *लक्ष्य और उद्देश्य / Aims & Objectives:*

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The aims and objectives of the proposed programmes are;

- ❖ Upgradation of knowledge on latest technologies.
- ❖ Creating a pool of skilled human resource for industries.
- ❖ Developing employment oriented skill programmes.
- ❖ Aligning the skill programmes with CSIR Integrated Skill Initiative, National Skill Development Council (NSDC) and Sector Skill Councils (SSC) to meet the national objectives.
- ❖ Developing market/industry driven courses with emphasis on hands-on practical learning.

**ऑनलाइन कौशल विकास प्रशिक्षण कैलेंडर (अप्रैल - जून, 2021)**  
**Online Skill Development Training Calendar (April – June, 2021)**

S.No.	Date	Programme Title	Duration
1.	28 <sup>th</sup> April, 2021 (Wednesday)	Intellectual Property Right (IPR)	1 Day
2.	30 <sup>th</sup> April, 2021 (Friday)	Artificial Intelligence (AI)	1 Day
3.	4 <sup>th</sup> -5 <sup>th</sup> May, 2021 (Tuesday-Wednesday)	Entrepreneurship Development Program (EDP)	2 Days
4.	13 <sup>th</sup> May, 2021 (Thursday)	Computer Integrated Manufacturing (CIM) Systems	1 Day
5.	19 <sup>th</sup> May, 2021 (Wednesday)	Internet of Things (IoT) Application for Industrial Automation	1 Day
6.	21 <sup>st</sup> May, 2021 (Friday)	Basics of Engineering Drawing	1 Day
7.	27 <sup>th</sup> -28 <sup>th</sup> May, 2021 (Thursday-Friday)	Basics of Python	2 Days
8.	1 <sup>st</sup> June, 2021 (Tuesday)	Six Sigma & Statistical Quality Control	1 Day
9.	4 <sup>th</sup> June, 2021 (Friday)	Fundamentals of Conventional Machining	1 Day
10.	10 <sup>th</sup> -11 <sup>th</sup> June, 2021 (Thursday-Friday)	Fundamentals of CNC Part Programming	2 Days
11.	16 <sup>th</sup> June, 2021 (Wednesday)	Hydraulic & Pneumatic Techniques for Industrial Automation	1 Day
12.	23 <sup>rd</sup> June, 2021 (Wednesday)	E-Waste Management	1 Day
13.	30 <sup>th</sup> June, 2021 (Wednesday)	Solar Energy/ Renewable Energy Smart Technology	1 Day





**Glimpses of practical training at CSIR-CSIO, Chandigarh**

### **Note:**

- All the courses will be conduct through online mode.
- Details of course content will be shared before the workshop.
- Registration of each courses will be closed one day prior to the commencement of course, participants must register accordingly.
- The interested participants can register for particular workshops using the link: <https://forms.gle/HyHvGwci8oQsA7gi7>.
- Link for joining the workshop will be shared on registered Email Id before the commencement of the workshop.
- Certificate will be issued to the participant who will attend the workshop on their registered E-mail ID.
- Some courses will be offered with limited seats and non refundable course fee.
- The dates of above programmes are tentative, any changes will be informed through registered Email ID.
- Please visit websites regularly to get latest information and updates related to offered courses.

### **Contact Details:**

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**कुशल बने युवा अपना,  
यही है देश का सपना।**