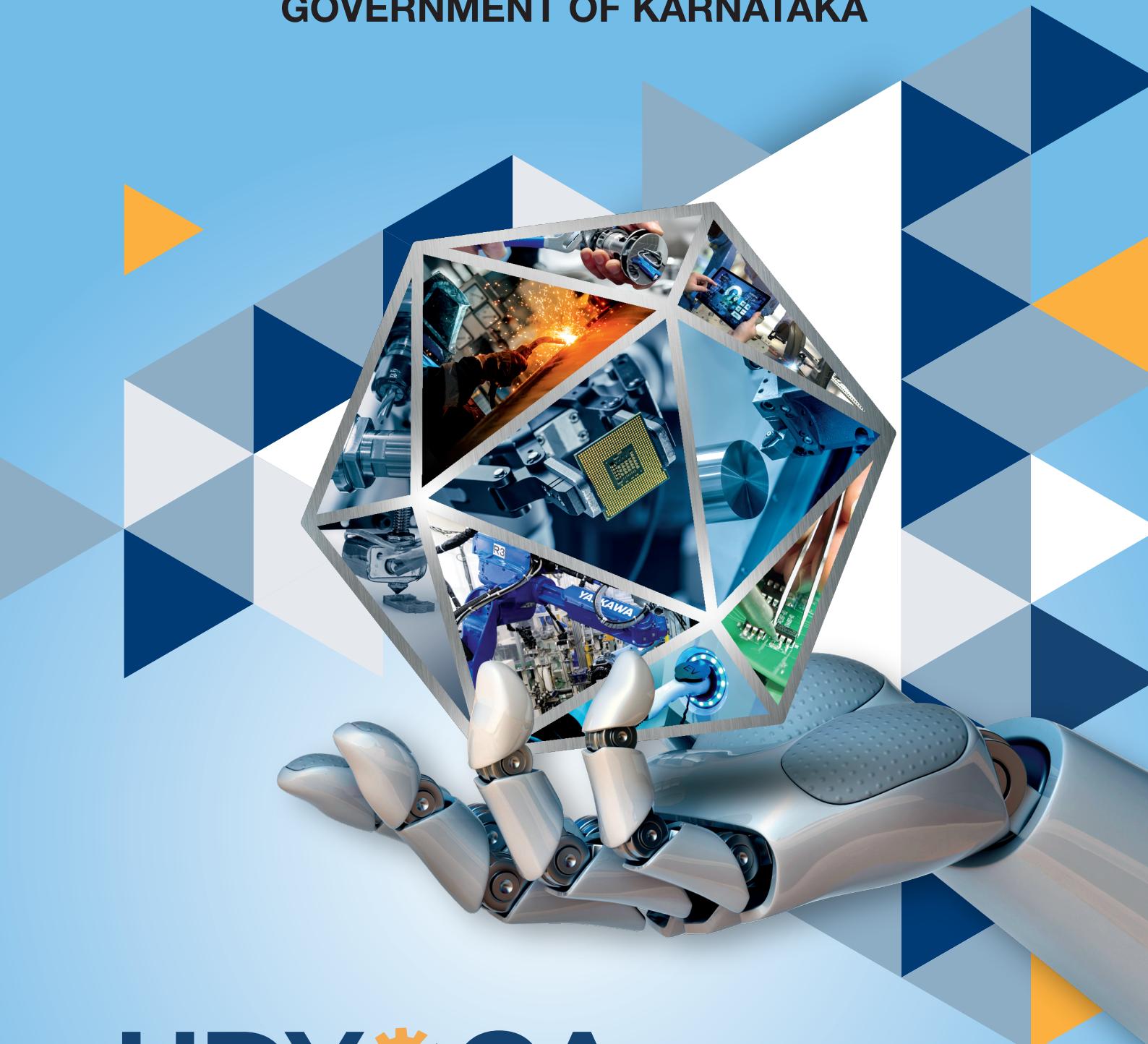




GOVERNMENT OF KARNATAKA



UDYOGA

An innovative program of Government of Karnataka



Department of Skill Development,
Entrepreneurship and Livelihood



GOVERNMENT OF KARNATAKA



Sri. B.S. Yediyurappa
Hon'ble Chief Minister



Dr. C. N. Ashwathnarayan
Deputy Chief Minister,
Minister for Skill Development,
Entrepreneurship & Livelihood

Government of Karnataka launches an innovative program

UDYOGA

Upskilling in Disruptive and advanced technologies to train
Youth for Opportunities in Global industries and Assembly lines

to transform 150 Government ITIs into Technology Hubs.

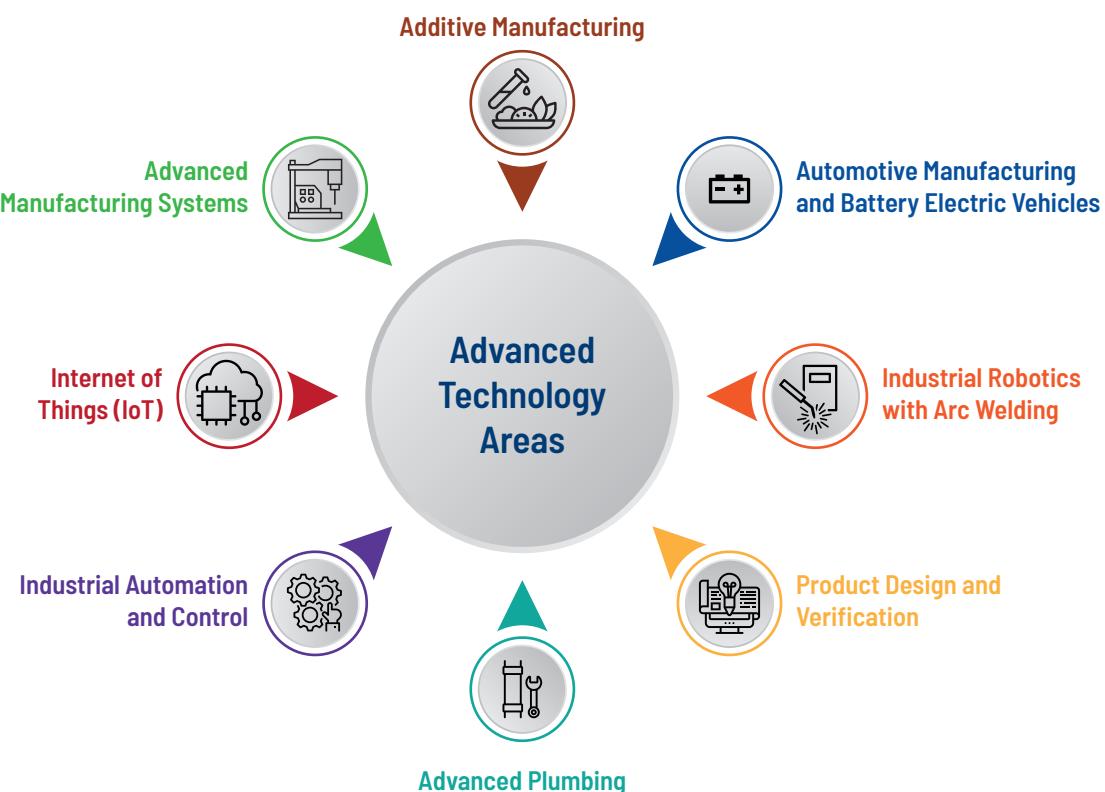
In partnership with

TATA TECHNOLOGIES

Government of Karnataka (GoK) supported by Tata Technologies Limited (TTL) and 20 Industry Partners has launched a program to transform 150 Government owned Industrial Training Institutes (ITI) into "Technology Hubs". This program is first of its kind initiative in India and primarily aims to create skilled workforce across Karnataka to address Industry 4.0 manpower needs. This program gradually aims to create 20,000 highly skilled individuals per annum through long term courses and train 1,00,000 professionals per annum through short-term courses. Training in these courses is expected to increase opportunities for ITI graduates in employment and entrepreneurship. The total cost of the program is Rs. 4,636 crores out of which GoK's contribution is Rs. 657 crores and the contribution of TTL and its industry partners is Rs. 4,080 crores. GoK is spending an additional Rs. 220 crores to create dedicated workshops and technology labs at these 150 ITIs.

Salient Features of the Program

 <p>Creation of civil infrastructure. 150 new workshops. 72 New Technology Labs. 78 Refurbished Technology Labs.</p>	 <p>Installation of state-of-the-art equipment and software provided by TTL and their industry partners.</p>
 <p>Deployment of innovative courseware aligned with industry 4.0 requirements.</p>	 <p>Deployment of Subject Matter Experts from renowned industries for 3 years to handhold ITI trainers toward imparting quality training.</p>
 <p>Providing training to students in "Advanced Technology Areas" and industry centric curriculum.</p>	 <p>Launching Technology Hubs to engage MSMEs and Large Industries for innovation and product development.</p>
 <p>Special focus on communication skills to make the graduates job-ready.</p>	 <p>Instituting market linkages between courses and the industry to warrant availability of employment opportunities across the state.</p>
 <p>Dedicated E-learning platform for a period of 5 years via VSAT technology for regular ITI students as well as students from a wide network of institutions across the State including private ITIs, polytechnics, engineering colleges, etc.</p>	



Key Beneficiaries

Students

- Training in Industry 4.0 skills through 11 advanced trades
- Training in 23 Short Term Courses (STC) for students and industry professionals desirous of upskilling/ reskilling
- Hands - on training using industrial equipment
- Certification by TTL and their industry partners
- Industry Projects, Placement/Apprenticeship & Entrepreneurship opportunities in the following industries:



AEROSPACE & DEFENCE



AGRICULTURE



AUTOMOTIVE INDUSTRY



CONSUMER ELECTRONICS



E-MOBILITY



FOOD & BEVERAGE



WOODWORKING & SIGNMAKING



INFRASTRUCTURE



METALS & MINING



ENERGY



PACKAGING INDUSTRY



PHARMACEUTICALS



RAILWAYS



SHIP BUILDING



SMART CITIES



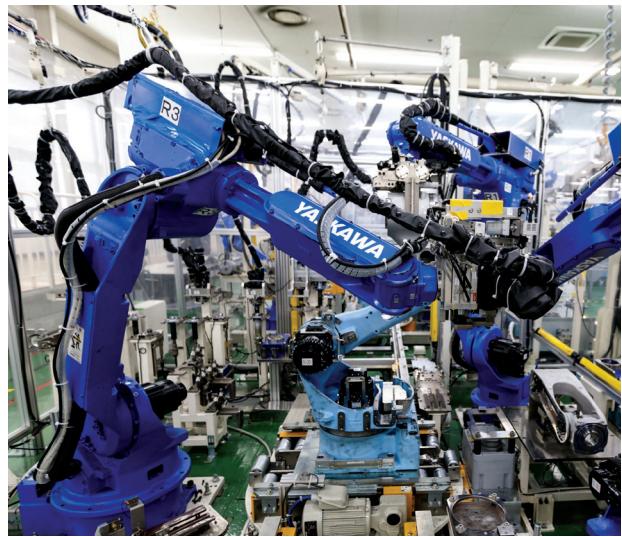
TOYS & HANDICRAFTS

Other Institutions

Training modules for students of Private ITIs, GTTCs, Polytechnics and Engineering Colleges

- Training in advanced technology areas using sophisticated equipment and short-term courses for upskilling of students
- Research, Innovation & Development opportunities for trainers & students





MSMEs

Availability of advanced machines for product and process development, prototyping and manufacturing

- Use of transformed ITIs as shop floors/production facilities
- Opportunity to recruit industry ready manpower
- Customised services for MSMEs

Large Industries

Availability of large talent pool with ready skills in advanced technologies

- Opportunity to recruit industry ready manpower
- Opportunity to reskill & upskill existing manpower through tailored courses and joint-certification
- Adoption of ITIs

Key Collaborations

GoK has partnered with TTL and their industry partners for the delivery UDYOGA.

TATA TECHNOLOGIES



Proposed Courses

Commencing during the academic year 2021-22.

Long Term Trades

Eligibility criteria: Passed Class 10 Examination with Science and Mathematics from Karnataka Secondary Education Examination Board, Central Board of Secondary Education or its equivalent.

S. No.	Long Term Trades	Duration
1	Computer Aided Manufacturing (CAM)	1 Year
2	Manufacturing Process Control and Automation	1 Year
3	Basic Design and Additive Manufacturing	1 Year
4	Industrial Robotics & Digital Manufacturing	1 Year
5	Advanced Plumbing	1 Year
6	Artisan using Advanced Tools	1 Year

S. No.	Long Term Trades	Duration
7	Advanced Automobile Engineering	2 Years
8	Battery Electric Vehicle	2 Years
9	Basics of Design and Virtual Verification	2 Years
10	Internet of Things (IOT)	2 Years
11	Advanced Manufacturing	2 Years

Short Term Courses

Eligibility criteria: ITI Final year student, ITI graduate, working professionals who want to upskill themselves in advanced technology areas

S. No.	Short Term Courses
1	Innovation and Design Thinking
2	Fundamentals of Product Design
3	Process Control and Automation
4	Auto Electrical Design & Development
5	Product Verification and Analysis
6	Auto Electrical Maintenance
7	Product Design and Development
8	Computer Aided Machining
9	Advanced Computer Aided Machining
10	Advanced Automobile Engineering
11	Automobile Maintenance, Repair and Overhaul
12	Electric Vehicle

S. No.	Short Term Courses
13	Internet of Things (IoT)
14	Advanced Machining (Mill)
15	Advanced Machining (CNC Lathe)
16	Advanced Machining (Rotary 4th Axis and 5th Axis Mill)
17	Advanced Additive Manufacturing
18	Advanced Welding
19	Fundamentals of Automobile Engineering
20	Advanced Painting Technology
21	Industrial Robotics - I
22	Industrial Robotics - II
23	Advanced Plumbing

Duration of all Short Term Courses - 3 Months

Note: The proposed courses and eligibility criteria are awaiting approval from relevant GoK and GoI organisations.

150 ITIs which are being transformed into Technology Hubs

Bagalkote

Govt ITI Bilagi
Govt ITI Navanagar Bagalkot
Govt ITI Jamkhandi
Govt ITI Rabakavi

Bengaluru Rural

Govt ITI Devanahalli
Govt ITI Hoskote
Govt ITI Doddaballapur

Bengaluru Urban

Basic Training Centre Tumkur Road
Govt ITI Men Hosur Road
Govt ITI Peenya

Belgavi

Govt ITI Belgavi (W)
Govt ITI Chikkodi
Govt ITI Kittur
Govt ITI Ramdurga
Govt ITI Sadalaga
Govt ITI Belgavi (M)

Bellary

Govt ITI Ballari
Govt ITI Huvinahadagali
Govt ITI Kudligi
Govt ITI Kurugodu
Govt ITI Sandur

Bidar

Govt ITI Aurad (W)
Govt ITI Basavakalyan
Govt ITI Bhalki
Govt ITI Bidar
Govt ITI Humnabad

Chamarajanagar

Govt ITI Beguru
Govt ITI Chamarajanagara
Govt ITI Gundlupet (W)
Govt ITI Hanuru
Govt ITI Kollegala

Chikkaballapur

Govt ITI Bagepalli
Govt ITI Chikkballapur
Govt ITI Mandikallu
Govt ITI Shidlaghatta

Chikkmagalore

Govt ITI Chikkamagaluru
Govt ITI Kadur
Govt ITI Koppa
Govt ITI Sakharayapatna
Govt ITI Tarikere

Chitradurga

Govt ITI Challakere
Govt ITI Bharamasagara
Govt ITI Chitradurga (W)
Govt ITI Hiriyur
Govt ITI Hosadurga

Dakshina Kannada

Govt. ITI Malady Belthangadi
Govt ITI Mangalore (W)
Govt ITI Puttur (W)
Govt ITI Mangalore (M)
Govt ITI Vitla

Davanagere

Govt ITI Channagiri
Govt ITI Davanagere
Govt ITI Harihara
Govt ITI Honnali
Govt ITI Jagaluru

Dharwad

Govt ITI Dharwad
Govt ITI Dastikoppa Kalaghatagi
Govt ITI Hubli

Gadag

Govt ITI Gadag (W)
Govt ITI Mundargi
Govt ITI Naragund
Govt ITI Sudi

Hassan

Govt ITI Alur
Govt ITI Arakalagud
Govt ITI Arasikere
Govt ITI Hassan
Govt ITI Belur
Govt ITI Channarayapatna (W)
Govt ITI Holenarsipura
Govt ITI Sakaleshpura

Haveri

Govt ITI Adur
Govt ITI Haveri
Govt ITI Akki-Alur
Govt ITI Shiggao

Kalaburgi

Govt ITI Afzalapur (Choudapur)
Govt ITI Aland
Govt ITI Chincholi
Govt ITI Chittapur
Govt ITI Kalaburagi (W)
Govt ITI Jewargi
Govt ITI Konchavaram
Govt ITI Sedam
Govt ITI Shahabad

Kodagu

Govt ITI Alur Siddapura
Govt ITI Madikeri

Kolar

Govt ITI Dalasanur
Govt ITI Devarayasamudra
Govt ITI KGF
Govt ITI Antargange Kolar (W)

Koppal

Govt ITI Kukanoor
Govt ITI Gangavathi
Govt ITI Talakal grama
Govt ITI Yelburga (W)
Govt ITI Hanumansagar
Govt ITI Tanakankal, Koppal

Mandy

Govt ITI Malavalli
Govt ITI Nagamangala
Govt ITI Chinakurali
Govt ITI K R Pet
Govt ITI Maddur
Govt ITI Mandy

Mysore

Govt ITI Bettadapura
Govt ITI Beerihundi
Govt ITI H D Koté
Govt ITI N R Mohalla Mysore
Govt ITI Nanjanagud
Govt ITI Periyapatna
Govt ITI Talakadu
Govt ITI Varuna

Raichur

Govt ITI Lingasugur
Govt ITI Devadurga
Govt ITI Raichur

Ramanagar

Govt ITI Doddalahalli
Govt ITI Kanakapura
Govt ITI Ramanagara

Shimoga

Govt ITI Kavalagundi Badravathi
Govt ITI Kargal
Govt ITI Sagar
Govt ITI Shikarpura
Govt ITI Shivamogga (W)
Govt ITI Thirthahalli (W)

Tumkur

Govt ITI Kunigal
Govt. ITI Ammasandra
Govt ITI Koratagere
Govt ITI Madhugiri
Govt ITI Sira
Govt ITI Tiptur (W)
Govt ITI Turuvekere

Udupi

Govt ITI Manipal Udupi
Govt ITI Perdur
Govt ITI Byndoor
Govt ITI Karkala

Uttara Kannada

Govt ITI Karwar
Govt ITI Dandeli (W)
Govt ITI Haliyal
Govt ITI Honnavar
Govt ITI Mundgod
Govt ITI Ramnagar (Joida)
Govt ITI Siddapur

Vijayanagara

Govt ITI Harapanahalli
Govt ITI Hosapete
Govt ITI Hagaribommanahalli

Vijayapura

Govt ITI Babaleshwar
Govt ITI Basavan Bagewadi
Govt ITI Vijayapur
Govt ITI Nalathawad
Govt ITI Tikota
Govt ITI Indi

Yadgir

Govt ITI Yadgir
Govt ITI Gurumitkal

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