



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(A STATE UNIVERSITY OF GOVERNMENT OF KARNATAKA ESTABLISHED AS PER THE VTU ACT, 1994)

JNANA SANGAM, BELAGAVI



SKILL DEVELOPMENT CENTRE BROCHURE

2024-25





About VTU:

VTU is one of the largest Technological Universities in India with 25 years of Tradition of excellence in Engineering, Technical and Management Education, Research and Innovation. It was incepted in the year 1998 to cater to the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. The VTU is headquartered in Belagavi Karnataka and has four regional offices in Bangalore, Mysuru, Kalburgi and Belagavi.

The university is currently having 214 affiliated colleges. It offers undergraduate programs in 37 disciplines, PG programs in 96 disciplines and Ph.D. & M.sc (Engg.) Research programs in seven faculties, over three lakh engineering students studying in the various institutes affiliated to the University.

The University foresees the landscape of higher education to be extremely dynamic, challenging and fascinating too. Hence, it constantly strives to strategically position itself in all emerging platforms of idea generation, creation of pragmatic knowledge, skills and competency development.

The university believes that it is indispensable to benchmark ourselves with global standards while staying firmly grounded in local contexts. As a premier technical university VTU the torch bearer with focused academic and research pursuits in Technical and Management education. Quality has always been the hallmark of all our endeavours.

The diverse course curriculum across different disciplines is industry driven and designed by experts to foster innovation and creativity. The democratic governance models facilitate dialogue, debate and resilience leading to sound policy and strategy formulation at all levels of the organization. There are many National and International partners, with whom it has forged several key MOUs, to explore various frontiers of knowledge.

The robust centres of Excellence by the various disciplines, Accolades by National and International Agencies, glittering alumni base across the globe are all a testimony of our phenomenal strides of growth and development. The innovative practices in digitising the examination system, e-office management and CoE in niche areas like bio-fuel, nanotechnology and skill development are noteworthy. Our scintillating computer labs, CNC machine workshop and state of art infrastructure enriches the teaching and learning ambience. The University is steering itself to a bright future in transforming young minds. The University is committed with complete zeal and passion in inspiring learners and problem solvers in the service of humanity.



VTU Rankings:

Ministry of Education (MoE) and National Institutional Ranking Framework (NIRF) in 2023



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION

सत्यमेव जयते



52nd

Engineering Category

63rd

University Category

93rd

Overseas Category

95th

Management Category



53rd

at
National Level

2nd

in
Karnataka State

12th

in
South India Region



Main Campus & Regional Centers



Belagavi



Dandeli



Mysuru



Kalaburagi



**Muddenahalli
(Chikkaballapur)**



Davanagere



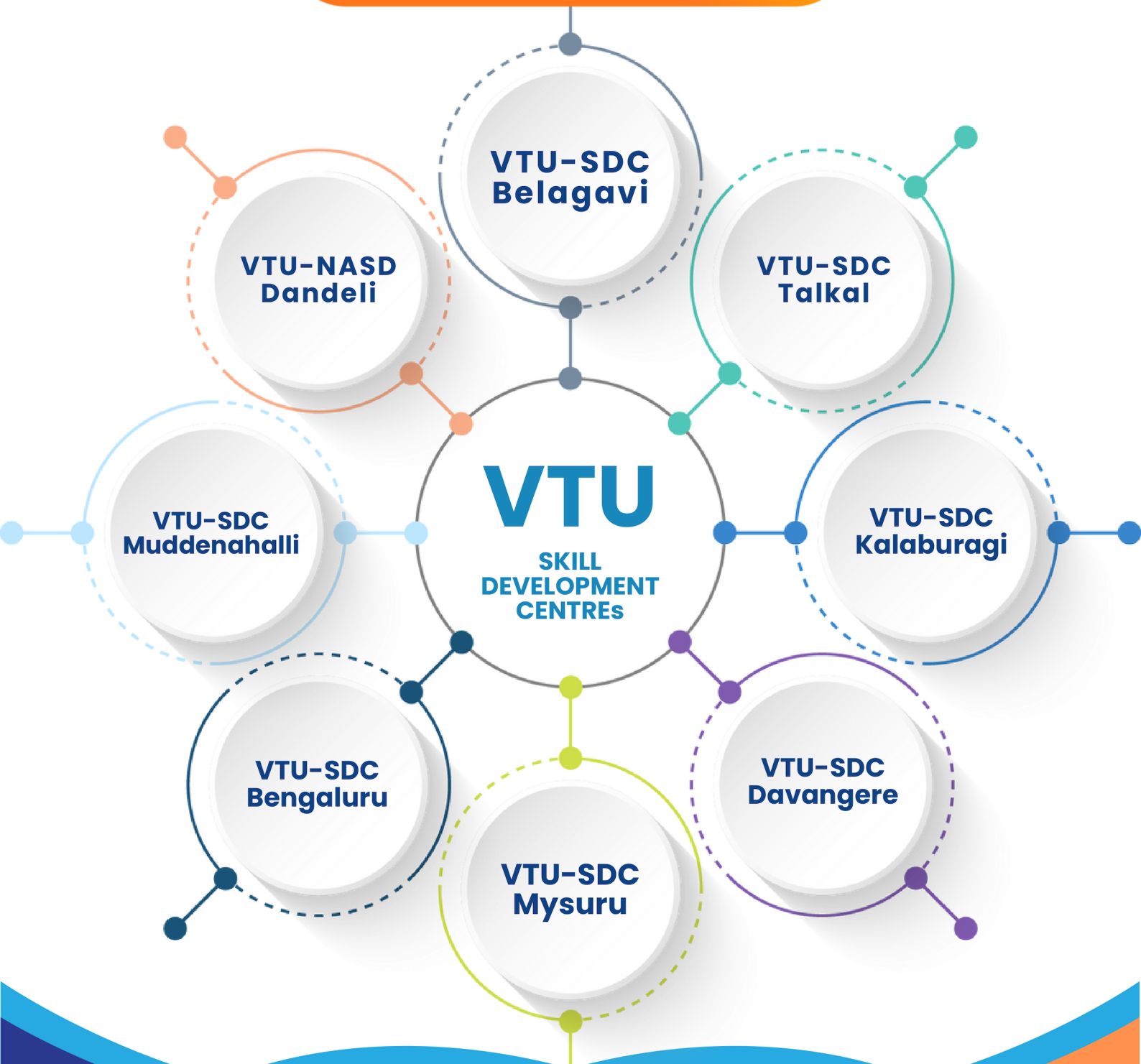
**Talkal
(Koppal)**



SDC Structure

Hierarchy VTU-SDC

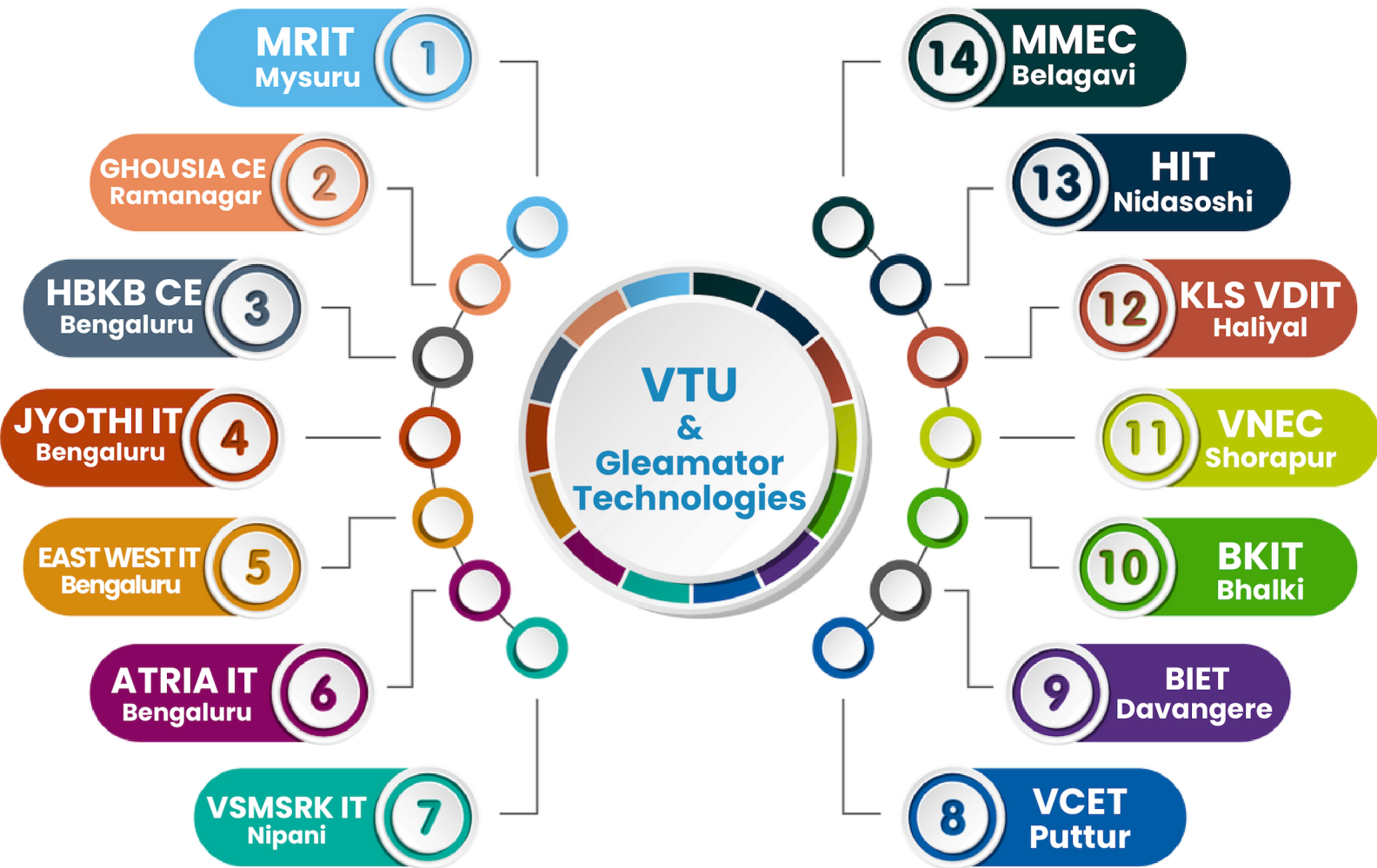
Director, VTU-SDCs





SDCs in state

VTU-SDCs @Affiliated Colleges






COEs Structure

Centers of Excellence



BOSCH
VTU RO
Mysuru



EDUPHYGITAL
COEs
VTU

COEs
at
VTU



DASSAULT AVIATION
Aerospace & Defense
VTU RO Bengaluru



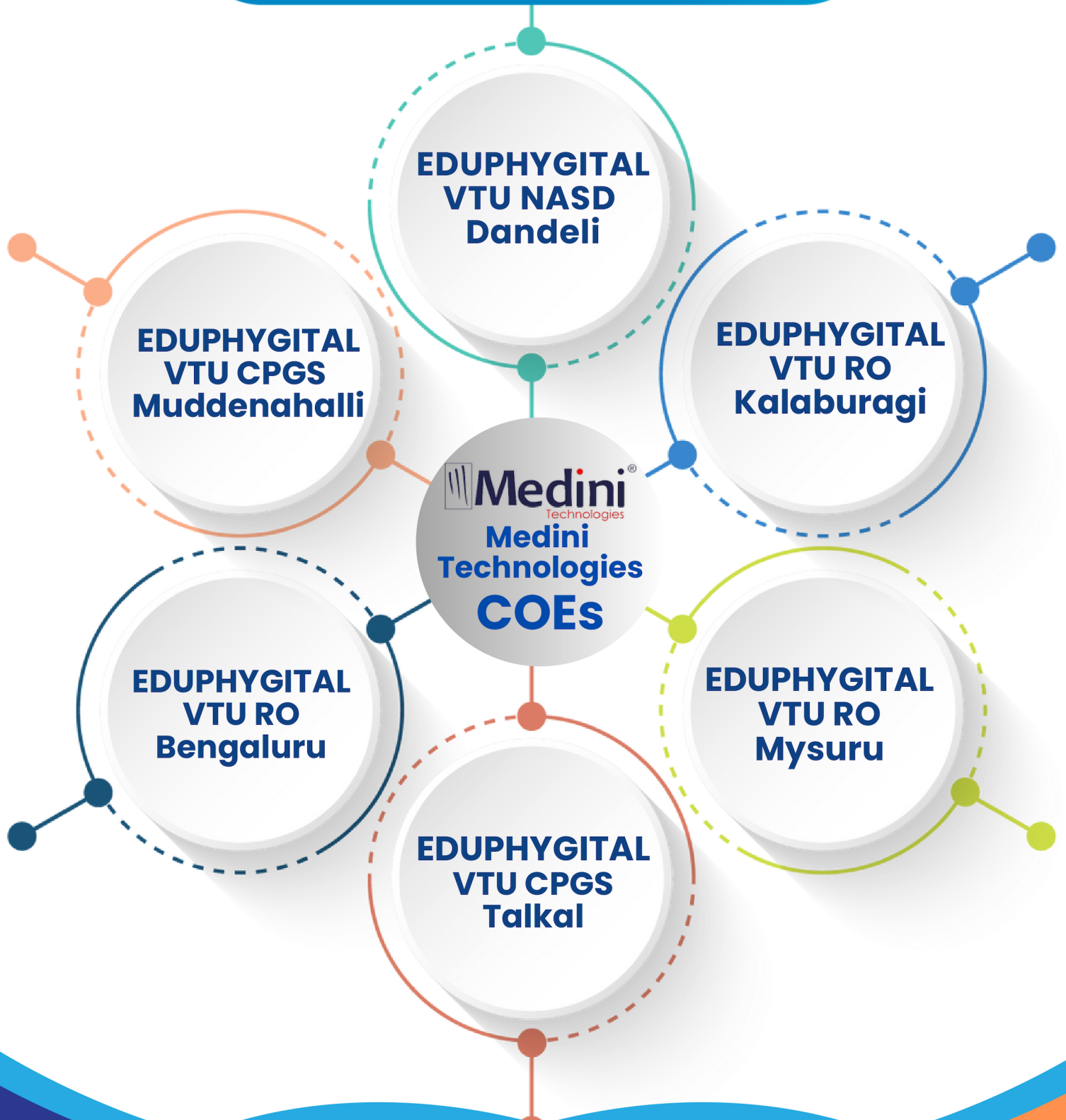
KIADB
Land of Opportunities

KIADB-CLIFF
VTU RO Kalaburagi



COEs Structure

VTU & Medini Technologies Centers of Excellence





About COE

Introducing Medini Technologies' Centers of Excellence (CoE): EduPhygital, a collaborative venture with VTU spanning six strategic locations!

On April 3rd, 2024, we commemorated the establishment of five CoEs strategically positioned at VTU RO Bengaluru, VTU RO Kalaburgi, VTU RO Mysore, VTU NASD Dandeli, and VTU CPGS Muddenahalli. This partnership signifies a pivotal advancement in reshaping technical education to align with the requirements of the digital age.

Our CoEs are meticulously crafted to provide students and faculty members with immersive experiences in cutting-edge technologies crucial for digital transformation within core engineering disciplines. By offering hands-on learning opportunities, we aim to equip individuals with the requisite skills to excel in rapidly evolving industries.

Furthermore, our association with VTU guarantees access to internships and placement prospects both domestically and internationally, fostering a culture of innovation and excellence. Together, we are fostering a future where collaborative efforts propel success, ensuring that every student is primed to thrive in the digital era. Join us on this transformative expedition!

Medini Technologies' Centers of Excellence (CoE): EduPhygital, in collaboration with VTU, is a groundbreaking initiative spanning across six strategic locations! The recent establishment of five CoEs at VTU RO Bengaluru, VTU RO Kalaburgi, VTU RO Mysore, VTU NASD Dandeli, and VTU CPGS Muddenahalli on April 3rd, 2024, marks a significant milestone in reshaping technical education to meet the demands of the digital era.

These CoEs have been meticulously designed to offer students and faculty members immersive experiences in cutting-edge technologies essential for digital transformation in core engineering fields. Through hands-on learning opportunities, our goal is to empower individuals with the necessary skills to excel in rapidly evolving industries.

Moreover, our partnership with VTU ensures access to internships and placement options, both domestically and internationally, fostering a culture of innovation and excellence. Together, we are creating a future where collaborative endeavors drive success, ensuring that each student is well-prepared to thrive in the digital age. Join us on this transformative journey towards a brighter and more technologically advanced future!



Davangere

Skill Development Center

Skill Development Centre in Automation Technologies

The uniqueness of this training centre lies in its state of the art technology, world class equipment, training kits, hardware, software, teaching aids and faculties trained from CHRISTIANI SHARPLINE an Indo-German JV Technical Training Company by Dr. ING. PAUL CHRISTIANI GMBH & ko., Germany and Sharpline Automation (P) Ltd., India.

The Centre aims at providing hands on training to industry personnel and students of various Institutions from Engineering, Diploma and ITI Colleges in the field of Automation.

Training Features

- Practical Hands on Training
- Provides an Internship training insights in the field of "CNC, Industrial Hydraulics, Pneumatics, Industrial Electronics & PLCs, Mechatronics and Robotics."
- Helps participants to Develop practical skills
- Certificate would be given upon successful completion of training

Facilities Available

1. CNC Lab

- Siemens 828D CNC Panel
- Fanuc Oi CNC Panel

2. Mechatronics Lab

- Mechatronics Trainer Kit
- Mechatronics Functional Assembly Modules

3. Hydraulics Lab

- Hydraulic & Electro Hydraulic Trainer Kit
- Mechatronics Functional Assembly Modules

4. Pneumatics Lab

- Pneumatic & Electro Pneumatic Trainer Kit with components

5. Robotics Lab

- Robotic Trainer Kit

6. Industrial Electronics & PLC Lab

- Siemens PLC-S7-300 Trainer Kit
- AC Technology Trainer Kit
- DC Technology Trainer Kit
- Digital Technology Trainer Kit



Contact Us

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Muddenahalli

Skill Development Center

Skill Development Centre in Nanoscience and Technology

The uniqueness of this training centre lies in its state of the technology, world class equipment teaching aids and internationally trained faculties. The center aims at providing hands on training to industry personnel and students of various institutions

Training Features

- To understand the basic concept of Nanoscience and technology.
- Practical hands-on training.
- Helps to develop practical skills.
- Certificate would be given upon successful completion of training

Facilities Available

- X-Ray Diffractometer (XRD)
- Scanning Electron Microscopy (SEM)
- Atomic Force Microscopy (AFM)
- Electrochemical Workstation (ARBIN)
- FTIR Spectroscopy
- UV-VIS-NIR Spectroscopy
- Synthesis Lab
- Gas Chromatography
- STA, TGA-DTA/DSC
- Library and Information Center
- Glove Box: Li-ion Fabrication Unit
- Photo Catalytic Reactor
- Nanomaterial synthesis
- Nanomaterial characterization
- Device fabrication
- Li-ion battery devices
- Super capacitor
- Sensors
- Thin film coating
- Electrochemical testing
- Crystal structure analysis
- Li-ion battery cell assembly
- Photocatalysis
- Wastewater treatment



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Muddenahalli

AICTE-ATAL IDEA LAB

About the AICTE-ATAL IDEA Lab

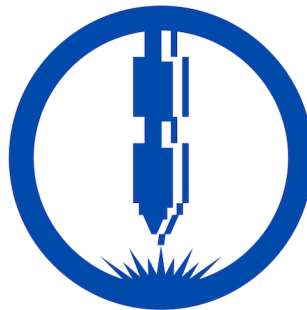
AICTE has launched a scheme for establishing AICTE-IDEA (Idea Development, Evaluation & Application) Lab in its approved institutions for encouraging students for application of Science, Technologies, Engineering and Mathematics (STEM) fundamentals towards enhanced hands-on experience and learning by doing. Model IDEA Lab is been sanctioned to Center for PG Studies, VIAT, Muddenahalli to train the Coordinator & Co Coordinators of other IDEA Labs across the country.

Training Features

- Develop the practical skills
- Development of Prototype/Working models
- Implement in Idea IDEA (Idea development establishment and application)
- Innovation in the field of IOT, Printed Circuit Board(PCB) Design
- Mechanical Fabrication
- Certification Jointly by AICTE & VTU

Facilities Available

- 3D Printing
- Vinyl Cutter/Sticker Cutting
- 3D Scanning
- PCB Design
- Laser Cutting
- Wood Router
- Sub Lamination
- Welding Machine



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Kalaburagi

Skill Development Center

Center for Logistics innovation and Future Factories (CLIFF)

Benefits of CLIFF

Student Empowerment

Empowering Students With Up- To-Date Knowledge About Digital Manufacturing, Virtual Twin And Industrial Practices

Real Meets Virtual

Combine Physical Equipment With 3DEXPERIENCE Platform For Students To Get Trained On Supply Chain Planning.

Learning Meets Experience

All Required Learning Resources, Expertise And Equipment For Logistics, Supply Chain Planning & Smart Manufacturing Are Available In Single Place.

Industry Meets Learners

Firms Help Build Study Programs To Ensure Employability & Competitiveness. They Take Part In Student Facing Interactions, Projects And More.

Programs Offered



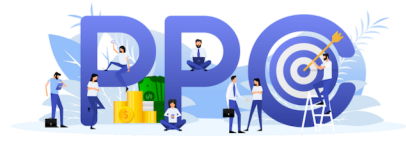
Supply Chain Planning

Understand Every Aspect Of A Company's Business- Sales, Marketing, Finance And Operations- Helps In Learning The Aspects Of Creating An Optimal Decision-Making Throughout The Value Chain.



Manufacturing Operation Management

Understand The Concept of PPC (Production, Planning & Control) By Reducing To Creating Value With Planning Tools And Techniques That Produce The Highest Possible Throughput With The Lowest Possible Inventory, While Ensuring High Quality And Delivery Performance



Virtual Twin For Digital Factories

To Create A Digital Twin Of A Product, Facility Or Process Which Is A Game- Changer From A Business Perspective. A Virtual Twin Solution Allows Manufacturers To Simulate, Analyze And Optimize Operations.



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Belagavi

Department of Mechanical Engineering

Skill Development Center

Skill Development Centre for CNC Machining

About SDC for CNC Machining

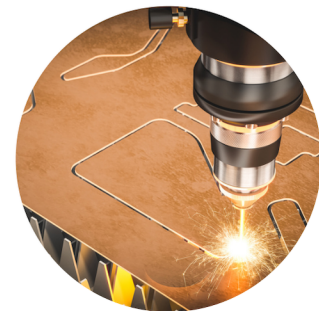
One will be familiar with the operating procedure, manual programming, computer-assisted programming, tool & work setting, and product machining after taking this course. The centre aims at providing hands on training to industry personnel and internship to the students of various institutions from Engineering, Diploma and ITI colleges in the field of Automation.

Course Content

- Industrial CNC Machine - An Overview
- CNC Programming Basic Structure & Understanding Control Panel.
- Programming for Machine of CNC Lathe (2 axis), M8 Drill Tap, VMC (3+2 axis) as per Design (on Production Machines).
- Industrial Precision Measuring Instruments.
- Checking the Machine performance & Quality by using Standard Instruments.
- Maintenance & Safety Aspect of CNC.
- Inspection / Quality Control Aspects.
- Product Developments using Software.
- Vendor Development & Documentation.
- Robot Programming Basics and Training.

Facilities Available

- Conventional Lathe fitted with Cutting Force Measurement facility with Varying Cutting and Coolant Condition.
- Facility / Standard instruments to learn Measurement of Surface Finish.
- Standard Calibrated Measuring Instruments and Tools to learn Measurement and Quality Control Aspects.
- Training will be given by well experienced Faculty and Industry Expert.
- Fully furnished work space nearly 20,000 Sq. Ft.
- MTAB Training Machines (Lathe and Mill).
- CNC Lathe (2-Axis).
- Drill Tap.
- VMC (3+2 axis).
- Robot: AR6-900 6-Axis Articulated Robot
- SR6-500 4-Axis SCARA Robot
- 2D CNC router
- 3D Printing facility
- Sophisticated Standard measuring instruments.



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Belagavi

Department of Electronics and Communications Engineering

VLSI DESIGN AND EMBEDDED SYSTEM COMPUTER LAB

Learning Objectives:

- Programming Languages C, C++, Python
- Embedded programming with microcontroller ARM Cortex, FPGAs.
- Elucidate the basic architecture and functionalities of a Computer and apply programming constructs of C language to solve the real-world problems.
- Explore user-defined data structures like arrays, structures and pointers in implementing solutions to problems. Design and Develop Solutions to problems using structured programming constructs such as functions and procedures
- To understand basic concepts of Embedded Systems. To know development of Hardware Software co-design in Embedded System.
- To understand Architecture of ARM-32 bit Microcontroller. To learn Cortex-M3 programming using C language concepts and Microcontroller Software Interface Standard concepts

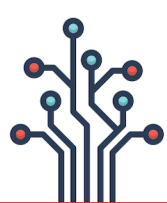
Applications:

- Development of video games
- Applications using graphical user interfaces
- Databases and computer operating systems
- Computational and graphical methods
- Cloud computing and distributed systems, Compilers
- Embedded systems, Integrated software libraries for enterprises
- Server applications on a large scale
- Industrial machines, consumer electronics
- Agricultural and processing industry devices
- Automobiles
- Medical equipment, cameras
- Digital watches, household appliances



Outcomes

- Apply programming constructs of C language to solve the real world problem. Explore user-defined data structures like arrays in implementing solutions to problems like searching and sorting.
- Design and Develop Solutions to problems using modular programming constructs using functions.
- Understand the basic hardware components and their selection method based on the characteristics and attributes of an embedded system. Explain the hardware software co-design and firmware design approaches.
- Understand the suitability of the instruction sets of ARM processors to design of embedded systems. Acquire the knowledge of the architectural features of ARM CORTEX M3, a 32-bit microcontroller including memory map, interrupts and exceptions. Apply the knowledge gained for Programming ARM CORTEX M3 for different applications.



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Belagavi

Department of Electronics and Communications Engineering

HARDWARE PROTOTYPING AND INNOVATION AND RESEARCH LAB

Learning Objectives:

- Basic Hardware setup for Electronic circuits
- Programming Arduino and IOT Based devices.
- Understanding and Programming of AI,ML and DL projects
- To Study and programming in High end Boards such as PYNQ Board, Zed Board, ZNYQ Board, FPGA Nexys A7 Board, NIVIDA Board
- To learn software such as Cadence Virtuoso, Xilinx Vivado, MATLAB.

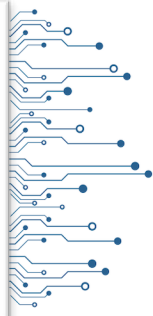


Applications:

- Cadence Application : Virtuoso Studio. Analog and custom IC design, Spectre Simulation. Analog and mixed-signal SoC verification, Physical design for advanced nodes, IP and SoC design verification.
- AI, ML, DL And IOT Application: AI is used in virtual assistants, recommendation systems, and more. ML is applied in image recognition, spam filtering, and other data tasks. DL is utilized in autonomous vehicles, speech recognition, and advanced AI applications. IoT applications use machine learning algorithms to analyze massive amounts of connected sensor data in the cloud.
- Applications Of Arduino : Embedded System, Digital Electronics and Robotics, Weighing machines, Parking Lot Counter, Medical instrument, Traffic Light Count Down Timer, Home Automation.

Outcomes

- Harness the power of the Arduino IOT Cloud to gather data, understand how devices communicate with each other, and which tools to use to facilitate communication.
- AI can automate repetitive tasks, improving efficiency and productivity in various industries. Data Analysis and Insights of AI algorithms can analyse large data quickly, providing valuable insights for decision-making.
- Understand a wide variety of learning algorithms. Understand how to evaluate models generated from data. Apply the algorithms to a real problem, optimize the models learned and report on the expected accuracy that can be achieved by applying the models



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Belagavi

Department of Computer Science Engineering

INFORMATION AND TECHNOLOGY INFRASTRUCTURE & SERVICES MANAGEMENT UNIT

About

Information and Technology Infrastructure & Services Management Unit (ITISMU) is established look after design, development and maintenance of IT infrastructure and services at VTU.

VTU has embarked on a journey of digital transformation and is providing in house end to end software solution to examination and a academic related activities that includes web based data acquisition for exam applications, IA marks, lab marks (including lab exam management) and digital valuation of answer scripts. In this Endeavour a sufficiently large and state of the art infrastructure is established.

The hardware and networking infrastructure of a VTU campus plays a pivotal role in facilitating seamless communication, collaboration, and access to information among students, faculty and staff. This complex system encompasses a wide range of components to support the diverse needs of academic, examination and administrative functions.

Networking Infrastructure:

The foundation of a university's networking infrastructure relies on high-speed fiber-optic cables that connect diverse campus facilities, fostering a robust Local Area Network (LAN) linking departments, classrooms, libraries, labs, and administrative offices. Complemented by a high-speed internet connection, universities prioritize seamless access to online resources and IT services. Wi-Fi networks, strategically equipped with access points, permeate VTU campuses, offering flexibility for students and faculty to connect through various devices. Security is paramount, with firewalls, intrusion detection/prevention systems, and secure authentication protocols safeguarding sensitive data. Virtual Private Networks (VPNs) further ensure secure communication among VTU-affiliated colleges, Digital Valuation Centers, and different campus segments while providing a secure gateway for remote users.

Hardware Infrastructure

VTU boasts the Visvesvaraya Data Center, a cutting-edge facility housing powerful servers that host a spectrum of crucial applications and services, including the VTU web server, email systems, learning and student information management systems, Question Paper Delivery System, Digital Valuation System, and NSS Students database. To manage the substantial volume of data stemming from academic, examination, and administrative activities, VTU has invested in expansive storage solutions, featuring Network Attached Storage (NAS) for efficient and scalable data storage. Faculty and staff are equipped with desktop computers or laptops connected to the university network, while computer labs cater to students' needs, providing access to specialized software and hardware resources. Various departments and offices integrate printers, scanners, and peripherals into the network for seamless administrative support.

Moreover, VTU embraces interactive technologies in modern classrooms and seminar halls, incorporating interactive whiteboards, projectors, and audio-visual systems to elevate the teaching and learning experience. Communication services are streamlined through integrated email, SMS, and WhatsApp platforms, ensuring rapid and reliable communication with students, faculty, and staff. Additionally, VTU harnesses Google Meet for video conferencing and YouTube live streaming technologies, transforming traditional meetings, seminars, and events into dynamic and inclusive experiences. These technologies, chosen for their flexibility, accessibility, and interactivity, play a pivotal role in transcending geographical boundaries, facilitating remote collaboration, virtual learning, and global audience engagement.



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Belagavi

Department of Computer Science Engineering

INFORMATION AND TECHNOLOGY INFRASTRUCTURE & SERVICES MANAGEMENT UNIT

Maintenance and Support:

To ensure the smooth operation of the hardware and networking infrastructure, VTU employed a dedicated IT staff responsible for maintenance, troubleshooting, and upgrades. Regular software updates, security patches, and system backups are performed to mitigate potential risks and ensure the reliability of the overall system. VTU provides remote support to its affiliated colleges for smooth functioning of DVS and QPDS around the clock.

VTU Networking / Hardware Specifications and statistical information:

2 Data Centres at Belagavi and 1 Disaster Recovery Centre @ Mysuru Visvesvaraya Data Centre

Internet Connectivity

- 1) 1 Gbps BSNL used for hosting various IT enabled services
- 2) 1 Gbps Rail Tel used as backup line
- 3) 1 Gbps NKN line BSNL used for browsing and e office

Network Infrastructure

Description	Qty
Firewall : Sophos XG750 in HA configuration	2
Core Switch Brocade FastIron SX 800 HA configuration	2
Edge/Distribution switches Brocade/Cisco/Dlink (33+21+4+3+2)	65
Multimode Fiber/Single Mode Fiber for Backbone network supports	
Network nodes	1000

Wi-Fi Infrastructure

Description	Qty
Ruckus Wireless Controller	1
Ruckus switches	20
Indoor AP's	132
Outdoor AP's	
RF Point to Point	10

Server Infrastructure

Description	Qty
Blade Server (Dell Power Edge610/710/730) in Chassi	30
Rack Server's	7
Tower server IBM	1
IBM server @ Exam DC	2
IBM server @ DR site Mysuru	1

Storage Infrastructure

Description	Qty
100 TB NAS	1
30 TB NAS Back up	1
8 TB NAS	4
33 TB NAS	1
16 TB NAS	1
SAN storage @ exam DC	1
Storage@ DR Mysuru	1

Description	Qty
Servers Windows 12	8
Open Source Cent OS 6.1/7.0	16
Ubuntu 16	16
Redhat Linux	4
Windows 8.1	400

Computational Infrastructure Software

Description	Qty
Computers (HP/Dell/Acer)	300
Printers HP	2
Laptop Dell	1

Windows 10	10
Other Software	
WordPress	1
Antivirus Seqrte,	10
F Secure,	300
MySQL, PHP	-

Description	Qty
Video Conference	1
Google Meet	
Webex	10

Note: Specific Department software's and laptop not listed. Pursuing of Microsoft campus agreement is in progress.

Software Services Offered

Digital Valuation modules	Prexam, post exam modules	COC, CoB, edits etc. list attached
Consultancy service offered for Digital Valuation software in Bangalore University		Karnataka NSS students Database software for capturing students information assigned to VTU by Govt. Karnataka



Networking Services:

- 1) Web hosting of various application through DMZ (Demilitarized zone)
- 2) VPN services to 200+ colleges for QP delivery
- 3) VPN services to the Digital Valuation centre
- 4) VPN services to 2 scanning centre



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Belagavi

Department of Civil Engineering

GEOSPATIAL LABORATORY



Learning Objectives

- To model and analyse the spatial data (vector & raster).
- To Design and develop of Geo-database.
- Understand how to use a wide range of vector based GIS tools to address quarries relevant to water and land management.
- To Process, Analyse and Classification of the raster data

Applications:

- **To model and analyse the spatial data (vector & raster) and to design and develop of Geo-database in the field of water and land management.**
- **Understand how to use a wide range of vector-based GIS tools to address quarries relevant to water and land management. To process, Analyse and Classification of the raster data to solve Water and Land Management issues**

Outcomes

On completion of this laboratory studies students are able

1. Analyse the spatial data.
2. Design and develop Geo-database.
3. To use a wide range of vector based GIS tools to address quarries relevant to water and land management.
4. Process, Analyse and classification of the raster data

Learning Aids

ArcGIS Server 10.4
ArcGIS Master Lab Kit Version 10.2.2
ERDAS Imagine Image Processing.

GEO-MEDIA,V
Visual Modflow
GPS (GRAMIN)



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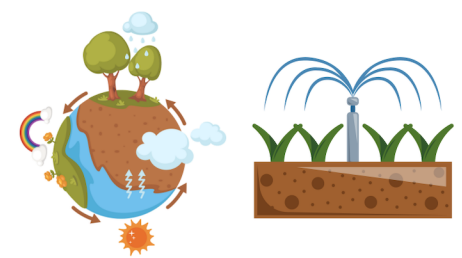
Belagavi

Department of Civil Engineering

HYDRO-SOIL & MICRO-IRRIGATION MATERIAL TESTING LABORATORY

Learning Objectives

- To Analysis the hydraulic properties of the soil.
- To Measure and quantify flow and sediment yield in open streams.
- To Analysis the sub-surface formation.
- To Analysis the properties of plastic material used in micro-irrigation.



Applications:

To study and Analysis the hydraulic properties of the soil. To Measure and quantify flow and sediment yield in open streams. And to Analysis the sub-surface formation, To study and Analysis the properties of plastic material used in micro-irrigation.

Outcomes

- On completion of this laboratory studies students are able
1. Analysis the hydraulic properties of the soil.
 2. Measure and quantify flow and sediment yield in open streams.
 3. Analysis the sub-surface formation.
 4. Analysis the properties of plastic material using in micro-irrigation

Learning Aids

- 1.Flow test set up
- 2.Clogging test set up
- 3.ESCR test setup
- 4.Hot water bath test 60 degree
- 5.Hydrostatic pressure tester
- 6.Cold water bath 20 degree
- 7.Hot water bath test 70 degree
- 8.Carbon black content tester
- 9.Muffle furnace
- 10.MIF Tester
- 11.Tensile tester
- 12.Pullout test set up
- 13.Resistivity meter model SSR MP ATS
- 14.Flow probe



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Mysuru

**VTU- BOSCH REXROTH CENTER OF COMPETENCE IN
AUTOMATION TECHNOLOGIES, MYSURU- 570029**

Training Center in Automation Technologies

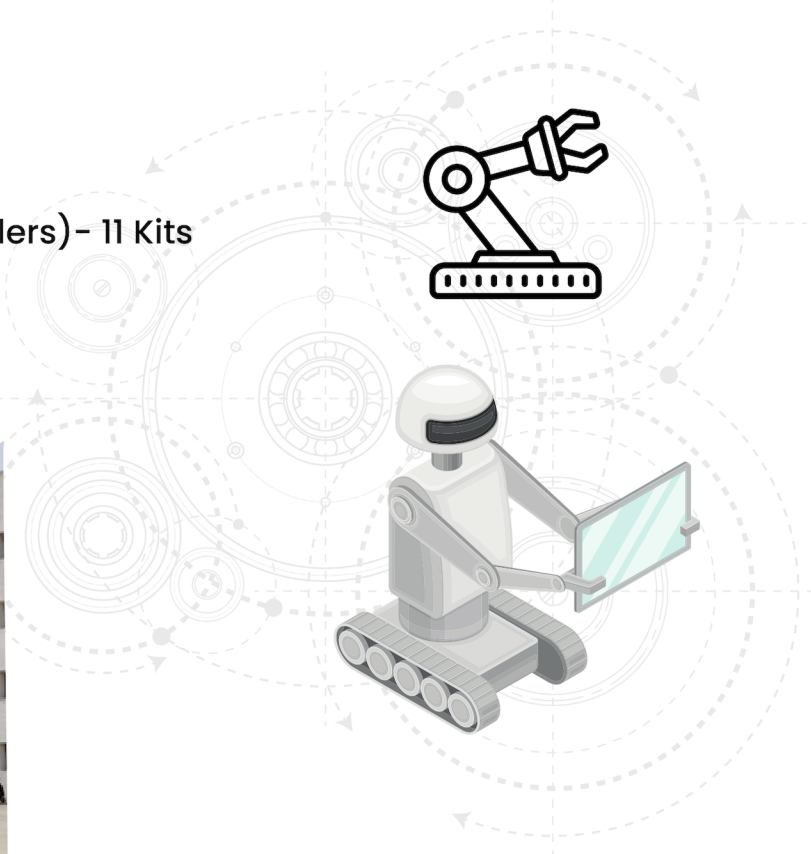
The **VTU- BOSCH REXROTH CENTER** is unique in its state of the art Technology, world class equipment, training kits, hardware, software, teaching aids and faculties trained from Rexroth, Germany. The Centre aims at providing hands on experience, industry personnel and students of various institutions from Engineering Colleges in the field of Automation

Training Features

- Fully hands on experience
- Provides an insight in the field of "Industrial Hydraulics, Pneumatics, PLCs, Sensorics, Mechatronics and Robotics"
- Helps participants to develop practical skills on usage of various equipments on Hydraulics, Pneumatics, PLC, Sensorics, Robotics, Mechatronics
- Certificate would be given upon successful completion of training

Facilities Available

- Hydraulics - 11 Work Benches
- Pneumatics - 11 Work Benches
- PLC's (Programmable Logic Controllers)- 11 Kits
- Sensorics - 11Kits
- Mechatronics - 03 Kits
- Robotics - 03 Kits



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Talkal (Koppal)

VTU-POST GRADUATION AND SKILL DEVELOPMENT CENTRE, TALKAL-583238

About PGSDC

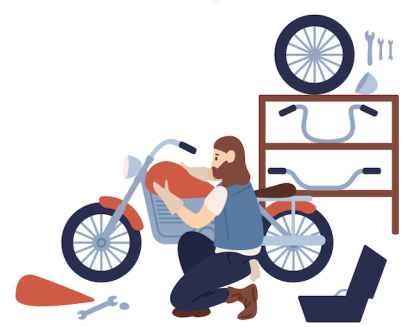
Lush green Campus Spread across 22.67 Acres, Excellent infrastructure such as Administrative block, Research Centre Smart Class rooms, well equipped Laboratorie , Digital Library Separate Hostels for the Boys and Girls, , Cafeteria, Bank Post office and health care centre etc. Experienced and dedicated Teaching faculty Centre of Excellence to enhance skill set of students Innovation and Skilling Hub Collaborative training programmes with GTTC

Skill Training Programmes

- 1.Eduphygital COE powered by Medini Technologies,
 - One month internship for ME and Civil students
 - Three month certificate course on Building Information Model (BIMS)
 - Three month certificate course on Fusion 360
 - Faculty development Programme on FUSION 360
2. YAMAHA Training School
One year certificate course on Two wheeler mechanics for the school drop outs
- 3.Centre for PM Vishvakarma Scheme

Post Graduate Programmes

- 1.Master of Business Administration (MBA)
- 2.Master of Computer Applications (MCA)





Visvesvaraya Technological University National Academy for Skill Development Dandeli



About Visvesvaraya Technological University

Visvesvaraya Technological University the largest technological university in Karnataka with 219 affiliated engineering colleges and nearly 4 lakh students pursuing undergraduation, postgraduation in 92 disciplines and research programs in 592 departments of engineering colleges.

Vision

To emerge as a national leader in imparting quality skills to aspirants at different levels in line with the industry requirement.

Mission

VTU-NASD will strive to function as a self-reliant and self-sustainable training institution which will respond to the rising need and demand of skilled workforce in India.

About VTU-NASD Dandeli

VTU-National Academy for Skill Development is a noble initiative of Visvesvaraya Technological University to cater the present need of skill requirement in India. Spread in 26 acres of landscape with advance infrastructure of global standards, the skill development centre aims at introducing certain valuable training courses and programmes to enhance the employability and bridge the gap between academics and Industry. VTU-NASD is supported by the Government of Karnataka with course and curriculum been designed through the consultation of industry experts. With a team of well qualified and dedicated trainers, all programs/courses follow training standards that are demand oriented and directly imply a close relationship with industry. The advantage of VTU-NASD is its placement assistance in the respective domain to aspirants after the successful completion of course.

Courses Offered

Free Courses Under CMKKY Scheme with Placement Assistance					Internship/In-Plant Training Offered			
Sl. No	Course	Qualification	Batch Size	Course Duration	Sl. No	Course	Qualification	Batch Size
1	CNC Operations and Programming	ITI/Diploma/BE	30	3 Months	1	5 axes CNC Operations and Basic of Programming	Diploma	60
2	Repair painter-Auto body L3	ITI	30	3 Months	2	5 axes CNC Operations and Basic of Programming	B.E/B.Tech	60
3	Domestic Data Entry Operator	12 th Pass and above	30	3 Months	3	Computer Hardware & Networking	Diploma	30
4	Computer Hardware & Networking	BE/Diploma	30	3 Months				



Facilities

- ❖ State of Art Infrastructure to cater the needs of aspiring youth.
- ❖ Approved training centre from National Skill Development Corporation (NSDC), Government of Karnataka.
- ❖ Multi trade Industry oriented workshops and expert trainers to impart skill training.
- ❖ 100% Placement assistance to all participants who successfully complete the course training at VTU-NASD .
- ❖ Free Training programs under Chief Minister Kaushalya Karnataka Yojane (CMKKY) for eligible aspirants.
- ❖ Separate Hostel facilities for Boys and Girls . 24x7 Campus Security services.
- ❖ State of art modular dining facility for Boys, Girls and Corporate guests. In Campus Hygienic food services on pay and use.
- ❖ 24x7 Water supply with Electric Heaters in every Hostel and RO Water Purifiers to supply clean drinking water.
- ❖ Industrial Visits, Mentorship from Industry and Academia on regular Basis to create awareness and exposure.

Placement Partners



- AEQUS Belagavi
- AVTEC Ltd
- Triton Valves Ltd
- Dynamics Technologies, Bangalore
- Accutech Enterprises, Bangalore
- Flowserve Valves Pvt. Ltd Hubli
- Spicer India Ltd. Dharwad
- Automotive Axles Ltd. Mysore
- Wipro KPM Pvt Ltd. Bangalore
- Pragati Engineering. Belgaum
- PTP CNC. Belgaum



Advisory Council of VTU-NASD, Dandell



Mr. Aravind Malligeri
Chairman & CEO,
AEQUS



Dr. Vidyashankar S
Vice Chancellor, VTU



Mr. Rajendra Jain
Executive Director & CFO of
the West Coast Paper Mills
Ltd.



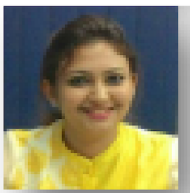
Mr. Vivek Pawar
Member
Executive Chairman, Sankalp
Semiconducto



Mr. Ananth R. Kopper
Member
Chairman & CEO, KTwo
Technology Solutions



Mr. Santhosh Muralikoppl
Founding Director and CEO,
NS Infotech Limited.



Miss. Soniya Neltalkar
Group Marketing and
Business Development
Officer Neltalkar Group of
Industries



Mr. Deepak V Dadhoti
Managing Director, Servo
Control



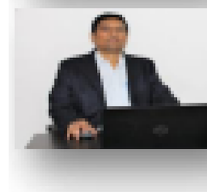
Mr. Prakash L Prabhu
Administrator WDM Trust,
Haliyal



Mr. Vivek Panekar
Startup Mentor, Deshpande
Foundation, Huball.



Mr. Chaitanya Kulkarni
Managing Director,
Chaitanya Associates Vice
President of CREDAI
Karnataka.



Mr. Narayan Tosur
CEO, Praxim Tech Pvt. Ltd,
Haliyal.



Dr. V.A. Kulkarni
Principal, KLS VDOT, Haliyal.



Dr. Rangarwamy B E,
Registrar, VTU, Belagavi.
(Member Convener)

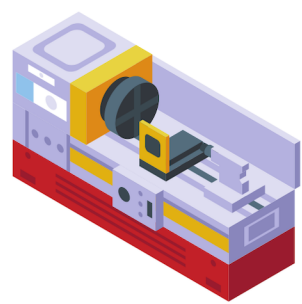


Dr. Sandhya Amvekar
Director, Skill Development
Centre VTU Belagavi.



Dandeli

National Academy for Skill Development, Dandeli



Training Features

- Short term training courses of different durations
- Certificate will be provided from National reputed university
- Hands-on training with well-equipped laboratory / workshop
- Training from Industrial experienced faculty
- Curriculum aligned with NSQF

Available Training Courses

- CNC Operations / Programming
- Automotive Body Painting
- Computer Hardware and Networking
- Domestic Data Entry Operator

Facilities

- 2-Axis and 5-Axis CNC Machines
- Paint booth with compressor and spray paint facilities
- Computer lab of 60 capacity
- Placement in reputed companies
- High Speed Internet and Power Backup for Classes and Labs
- Separate hostel for Boys and Girls
- Mess and cafeteria facility in campus



Contact Us

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Contact Us

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VTU-SDC



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