


Index


Criterion No: 1.2.2


Criterion Details: Number of Add-on programs offered during the year.

S. No.	Particulars	Annexure No.
1.	<p>Short Term Course on "Advance Excel"</p> <p>Short Term Course on "Auto-Cad"</p> <p>Short Term Course on "Deep Neural Networks"</p> <p>Short Term Course on "Industrial Robotics Design and Implementation"</p> <p>Short Term Course on "Internet of things"</p> <p>15 Days Online Training Programme On Advances In Agripreneurship And Skill Development Reshaping Future Of Indian Agriculture.</p> <p>IIT BOMBAY SPOKEN TUTORIAL short term Course on Latex</p> <p>Short Term Course On "TALLY & STOCK MARKETS"</p> <p>Short Term Course On "Fabrication of Voice -Controlled Robot"</p> <p>Short Term Course On "Introduction to Data Science and Analytics"</p> <p>Short Term Course On "Still Photography"</p>	Annexure - I


Director
Tula's Institute, Dehradun

 Dhoolkot, P.O. Selaqui, Chakrata Road
Dehradun - 248011 (U.K India)

 www.tulas.edu.in

 0135-2699300
0135-2699309

Vision

- To emerge as an academic centre producing world class professionals promoting innovation and research.

Mission:

- To promote intellectual and skilled human capital generation employment and entrepreneurship.
- To be educational centre of excellence of multi ethnicity and diversity.
- To establish as technology driven teaching learning institution.
- To provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.

Date: 10-02-2023

CERTIFICATE

This is to inform you that certificates uploaded under the criteria 1.2.2 (Number of Add on /Certificate programs offered during the year) & 1.2.3 (Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year) are the 25% of total number of certificates.

If required, institute will provide with the complete set of certificates.



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Brochure


Director
Tula's Institute, Dehradun



Short Term Course on "ADVANCE EXCEL"

Jointly Organized by
Tula's Institute, Dehradun
&

Electronics & ICT Academy, IIT Kanpur



E&ICT Academy, IIT Kanpur
A Joint Initiative of MeitY & IIT Kanpur

In

Graduate School of Business

Date

6th to 10th June 2022



www.tulas.edu.in

About Tula's Institute

Tula's Institute, founded by Rishabh Educational Trust in 2006, is acknowledged as the NAAC A+ Accredited institute as having the highest rating amongst colleges & universities in Uttarakhand. Tula's Institute is one of the 'Top Engineering Colleges in Uttarakhand' for its excellence in academic programs from undergraduate to the postgraduate level.

Tula's Institute is Ranked as No. 1 College in the Dehradun for placements in core companies, faculty, and infrastructure and Industry exposure.

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About Department

Graduate School of Business is the department of management where we provide three courses MBA, BBA and B.com Hons. Through a rigorous and well-planned curriculum, we aim to push students to go beyond their comfort zone and achieve excellence in business. Our main objective is to nurture our students and to make them industry-ready with strong foundations of business management. We are developing priceless managerial skills in students so that in future they can lead the organization in a better way or start their own venture.

Vision

To evolve successful business leaders and entrepreneurs with social responsibility and global outreach.

Mission

To prepare the students for dynamic business environment through quality educational programs.

Director
Tula's Institute, Dehradun

To contribute to human capital requirement in society and industry by augmenting the employability of students.

To cultivate the symbiotic relation with industry and other organizations for all round development of the students.

To sensitize the students towards value based and socially responsible behaviour as a business leader and entrepreneur.

About E&ICT

Electronics & ICT Academy (E & ICT Academy) at IIT Kanpur has been mandated to provide industry focused and industry-driven, hands-on courses in Electronics & ICT. It strives to narrow the gap between the academic approach to Electronics & ICT domains as currently provided by the educational institutions and the practically oriented approach as demanded by the industry. It is working towards enhancing the domain expertise of interested faculties with a special focus on the faculties of the three northern states of U.P., Haryana, Punjab and the two union territories of Delhi and Chandigarh, through a continuous engagement model with courses upgraded regularly.

Objective

To provide an opportunity for discussion and exchange of ideas in Advance Excel

Content

- Functions and Formulas
- Working with Data Ranges
- Analysing and Organizing Data
- Working with the Web and External Data
- Customizing Excel
- Working on Live Data and Dashboards

Resource Person

Mr.AmitJaiswal & Mr.Mudit
Electronics & ICT Academy
IIT Kanpur
Mob:-7007058213

Short term Course Schedule

Course Duration 6 -10 June 2022

Day 1 09:30 to 12:00 & 1:00 to 4:30 PM

Day 2 09:30 to 12:00 & 1:00 to 4:30 PM

Day 3 09:30 to 12:00 & 1:00 to 4:30 PM

Day 4 09:30 to 12:00 & 1:00 to 4:30 PM

Day 5 09:30 to 12:00 & 1:00 to 4:30 PM

Event Co-ordinator

Mr. Anupam Nautiyal
Assistant Professor
Department of Graduate School of
Business
Mob:-8650275084
Email:- anupam.nautiyal@tulas.edu.in

REGISTRATION FORM

**Graduate School of Business
STC on Advance Excel
6th to 10th June 2022**

1. Name:.....

(Block letters)

2. Course Name:

3. Department Name:

4. College/Institute Name:

5. College ID/ College Registration No.:

6. Address for communication:

PIN:

Mobile:.....

Email:.....

Signature of the Participant

Endorsed by Head of Institute/ HoD


Director

Tula's Institute, Dehradun



TULA'S
DEHRADUN INSTITUTE

NAAC A+
ACCREDITED INSTITUTE
HIGHEST RATING AMONGST
COLLEGES & UNIVERSITIES IN
UTTARAKHAND

5Days Short Term Course on "AutoCAD"

Jointly Organized by
Tula's Institute, Dehradun
&

Electronics & ICT Academy, IIT Kanpur



E&ICT Academy, IIT Kanpur
A Joint Initiative of MeitY & IIT Kanpur

In

Mechanical Engineering Department

Date

29th to 2nd June 2022



www.tulas.edu.in

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Establish as technology driven teaching learning institution.

Provide world class platform for research and innovation.

Inculcate social, environmental, heritage values.

About Department

Vision

To developing the department as an innovation centre & centre of excellence to produce engineers with knowledge, skills and character.

Mission

To impart high quality education to the students to develop technical skills and make them a competitive mechanical engineer.

To promote inter-disciplinary research.

To nurture students to excel professionally and personally to serve the society.

To recruit word class faculties and improve their advance skills through appropriate training and development.

Objective

The objective of this course is to teach users the basic commands and tools necessary for professional 2D drawing, design and drafting using AutoCAD / AutoCAD LT.

Director

Tula's Institute, Dehradun

Content

1. Use AutoCAD for daily working process.
2. Navigate throughout AutoCAD using major navigating tools.
3. Understand the concept and techniques to draw.
4. Create multiple designs using several of tools.
5. Create layers to control the objects' visibility

Resource Person

Mr. Amarpreet Singh

Contact number- 9212991313

Senior Trainer (ICT ACADEMY)

Short term Course Schedule

DAY	DATE	TIME	ACTIVITY
Monday	29-08-2022	10:00 am to 01:00 pm	use interface of Autocad
		LUNCH	use command panel, use menus.
Tuesday	30-08-2022	2:00 pm to 4:30 pm	
Wednesday	31-08-2022	10:00 am to 01:00 pm	use interface of Autocad
		LUNCH	use command panel, use menus.
Thursday	1-09-2022	2:00 pm to 4:30 pm	
Friday	2-09-2022	10:00 am to 01:00 pm	use interface of Autocad
		LUNCH	use command panel, use menus.
Saturday	3-09-2022	2:00 pm to 4:30 pm	

Wednesday	31-08-2022	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	use Autocad layout system
Thursday	1-09-2022	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Creating Linetypes Drawing Rectangles
Friday	2-09-2022	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Valedictory session and certificate distribution

Event Co-ordinator

Mr. Ankit Jain

Assistant Professor

Department of Graduate School of Business

Mob:- 7669049518

Email:- ankit.jain@tulas.edu.in


Director
Tula's Institute, Dehradun

REGISTRATION FORM

Mechanical Engineering

Department

STC on AutoCAD

29th to 2nd June 2022

1. Name:.....
(Block letters)

2. Course Name:

3. Department Name:

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Signature of the Participant

Endorsed by Head of Institute/ HoD



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HIGHEST RATING AMONGST
COLLEGES & UNIVERSITIES IN
UTTARAKHAND

5 Days Short Term Course on "Deep Neural Networks"

Jointly Organized by
Tula's Institute, Dehradun
&

IIIT Allahabad



In

**Department of Computer Science &
Engineering**

Date

29th Aug. to 2nd Sept. 2022



www.tulas.edu.in

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Tula's Institute, Dehradun

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To establish as technology driven teaching learning institution.

To provide world class platform for research and innovation.

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About Department

Vision:

To become centre of excellence in teaching and research.

Mission

To induce ethical values and spirit of social commitment.

To provide a learning ambience of enhance innovations and problem solving skills.

To provide a comprehensive education benchmarked against the highest global standards.

To collaborate with software industry and adopting technology for achieving quality of technical education.

To promote research based projects / activities in the emerging areas of technology convergence.

Objective

To provide an opportunity for discussion and exchange of ideas in Deep Neural Networks

Content

- Classifiers
- Neural Networks
- Conventional Neural Networks (CNN)
- Training Network
- CNN Architectures
- Generative Adversarial Networks

Resource Person

Dr. Satish Kumar Singh
Associate Professor (IIIT Allahabad)
Dr. Nand Kumar Yadav
Assistant Professor (IIIT Allahabad)

Short term Course Schedule

Course Duration - 29th Aug. to 2nd Sept. 2022

Day 1 09:30 to 12:00 & 1:00 to 4:30 PM
Day 2 09:30 to 12:00 & 1:00 to 4:30 PM
Day 3 09:30 to 12:00 & 1:00 to 4:30 PM
Day 4 09:30 to 12:00 & 1:00 to 4:30 PM
Day 5 09:30 to 12:00 & 1:00 to 4:30 PM

Event Co-ordinator

Mr. Sanjay Tyagi
Assistant Professor,
Department of Computer Science &
Engineering
Mob:-6395809049
Email :- sanjay.kumar@tulas.edu.in

REGISTRATION FORM

**Department of Computer Science &
Engineering**

**STC on Deep Neural Networks
29th Aug. to 2nd Sept. 2022**

1. Name:.....

(Block letters)

2. Course Name:

3. Department Name:

4. College/Institute Name:

5. College ID/ College Registration No.:

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6. Address for communication:

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PIN:

Mobile:.....

Email:.....

Signature of the Participant

Endorsed by Head of Institute/ HoD


Director
Tula's Institute, Dehradun



TULA'S
DEHRADUN INSTITUTE

NAAC
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ACCREDITED INSTITUTE
HIGHEST RATING AMONGST
COLLEGES & UNIVERSITIES IN
UTTARAKHAND

5 Days Short Term Course
on
"INDUSTRIAL ROBOTICS DESIGN
AND IMPLEMENTATION"

Organized by

Research and Development cell
Tula's Institute &
SME Dehradun.



Date

24th to 29th March 2022



www.tulas.edu.in

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To inculcate social, environmental, heritage values.

About Department

Vision

To be a centre of excellence in Electronics and Communication Engineering

Mission

To provide an environment in which both faculty and students can think critically and incorporate knowledge.

To provide state of art technical skills to students ,to make them global competent technology professionals.

To collaborate with industry, research organizations and institute of national importance to encourage creativity and innovation.

To preparing graduates having core engineering knowledge as well as modern skill set.

To preparing graduate research oriented with positive attitude and ethical values.

Objective

The main objective of this course is:

To understand the basic concepts associated with the design and Functioning and applications of Robots

To study about the drives and sensors used in Robots

To learn about analyzing robot kinematics and robot programming

Handwritten signature

Director
Tula's Institute, Dehradun

Content

Introduction: Automation and robotics, robot anatomy, robot configuration motions, joint notation, work volume, robot drive systems, control systems and dynamic performance, precision of movement Control systems and components: Basic concepts and models, controllers, control system analysis, robot activation and feedback components, position sensors, velocity sensors, actuators, power transmission systems Motion analysis and control: Manipulator kinematics, position representation forward transformation, homogenous transformations, manipulator path control robot dynamics, configuration of a robot controller Machine vision: Functions, sensing and digitizing-imaging, devices, lighting techniques, analog to digital signal conversion, image storage, Robot programming and Languages: Lead through programming, robot programming as a path in space, motion interpolation, WAIT, SIGNAL and DELAY commands, branching capabilities and limitations. Textual robot languages, generations, robot language structures, elements in functions.

Outcome:-

At the end of the course, the student will be able to

1. Analyze the manipulator design including actuator, drive and sensor issues.
2. Calculate the forward kinematics, inverse kinematics and Jacobian for serial and parallel robots.

3. Identify different types of end effectors and sensors required for specific applications.
4. Develop programming principles and languages for a robot control system.
5. Discuss various applications of industrial robot systems

Resource Person

Mr. Bhupinder
SME Dehradun

Short term Course Schedule

Course Duration 24th to 29th March 2022

Day 1 09:30 to 12:00 & 1:00 to 4:30 PM
Day 2 09:30 to 12:00 & 1:00 to 4:30 PM
Day 3 09:30 to 12:00 & 1:00 to 4:30 PM
Day 4 09:30 to 12:00 & 1:00 to 4:30 PM
Day 5 09:30 to 12:00 & 1:00 to 4:30 PM

Event Co-ordinator

Dr. Tripuresh Joshi

R& D Coordinator

Mob:-9897022970

Email Id: tripuresh.joshi@tulas.edu.in

REGISTRATION FORM

Research and Development cell

STC on

INDUSTRIAL ROBOTICS

DESIGN AND

IMPLEMENTATION

24th to 29th March 2022

1. Name:.....
(Block letters)
2. Course Name:
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Signature of the Participant

Endorsed by Head of Institute/ HoD

Director
Tula's Institute, Dehradun



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COLLEGES & UNIVERSITIES IN
UTTARAKHAND

5 Days Short Term Course on "INTERNET OF THINGS"

Organized by
Embedded Club

Sponsored by
AICTE under SPICES Scheme



In

**Electronics & Communication//Electrical
& Electronics Engineering Department**

Date

6th to 10th Dec. 2021



www.tulas.edu.in

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Provide state of art technical skills to students ,to make them global competent technology professionals.

Collaborate with industry, research organizations and institute of national importance to encourage creativity and innovation.

Preparing graduates having core engineering knowledge as well as modern skill set.

Preparing graduate research oriented with positive attitude and ethical values.

Objective

The main objective of this course is to understand fundamental of IOT and embedded system including essence, basic design strategy and process modelling. To introduce a set of advanced topics in embedded IOT and to understand research in networks. This course also provides fundamentals of security in IOT. To implement secure infrastructure for IOT.

[Signature]
Director
Tula's Institute, Dehradun

Students will be explored to the interconnection and integration of the physical world and the cyber space. This course provides to design and develop IOT devices.

Content

The internet of things (IOT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UDIs) and the ability to transfer data over a network without requiring human to computer interactions.

- Introduction To embedded system
- Introduction To IOT
- Need of automation
- Advancement Techniques
- LED interfacing
- Motor interfacing
- Sensor interfacing
- Hands on training at IOT platform using NODEMCU, Think speak Server

Outcome:-

- Implement an architectural design of IOT for specific applications.
- Understand the application areas of IOT.
- Realize the revolution of internet in mobile devices, cloud and sensor networks.
- Understand building blocks of internet of things and characteristics.

Resource Person

Er. Ashok Kumar
Director founder of Ensino Research and Development Pvt. Ltd

Short term Course Schedule

DAY	DATE	TIME	ACTIVITY
Monday	06-12-2021	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Introduction to IOT & Embedded system,
Tuesday	07-12-2021	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Need of automation Advancement Techniques
Wednesday	08-12-2021	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	LED interfacing Motor interfacing
Thursday	09-12-2021	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Hardware description Application Development
Friday	10-12-2021	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Hands on work with kit Project Development

Event Co-ordinator

Dr. Diwaker Pant
HOD of ECE/EEE Dept
Mob:-8006904438

REGISTRATION FORM

ECE/EEE Department
STC on INTERNET OF THINGS
6th to 10th Dec 2021

1. Name:.....

(Block letters)

2. Course Name:

3. Department Name:

4. College/Institute Name:

5. College ID/ College Registration No.:

6. Address for communication:

PIN:

Mobile:.....

Email:.....

Signature of the Participant

Endorsed by Head of Institute/ HoD

Director
Tula's Institute, Dehradun

15 Days online Training Programme

on

“ADVANCES IN AGRIPRENEURSHIP AND SKILL DEVELOPMENT RESHAPING FUTURE OF INDIAN AGRICULTURE”

Jointly Organized by
Tula's Institute, Dehradun
&
Just AgriCulture



In

Department of Agriculture and Forestry

Date

16th to 30th December 2021



www.tulas.edu.in

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About Department

A bachelor's degree in agriculture is a broad-based program with a lot of promise. It covers topics such as food production, gardening, animal husbandry, rural economy and development, environmental health and so on. Other businesses may face layoffs, but agriculture will never be one of them because "food" is a basic human need. There will never be a recession or a slowdown when it comes to feeding the planet. Truly speaking, advances in technology, research, and inventions in this field have greatly expanded the scope of agriculture.

Vision

To evolve as globally renowned education centre promoting technology and entrepreneurship in the field of agriculture and forestry.

Mission

- To promote agribusiness among the graduates and farmers.
- To promote innovation in the field of agroforestry.

- To enhance the integrity, sustainability and health of the forests and related biotic communities.
- To create awareness for social, historical, ethical, cultural and human values.
- To provide relevant education to the students in Agriculture, Processing and Allied Sciences.

About Just Agriculture

Just Agriculture e-Magazine is an open access peer reviewed e-magazine and e-newsletter which will start publishing from August, 2020. The magazine will provide a platform to all the researchers, students, scholars and scientists to share their ideas about latest innovative topics. The aim of Just agriculture e-magazine is to publish about latest innovations and upcoming experimental technologies to be adopted globally in field of agriculture and allied sciences. This would help in disseminating scientific information and latest findings among the scientific community related to agriculture all over the globe.

Objective

To understand the concept of Agripreneurship and skill development.

To get familiar with the support ecosystem available for agripreneurs.

Course Outcome

- To have an exposure in Agripreneurship and recent technologies in agriculture.
- Student learns about the post harvest technology, Food processing, Apiculture, sericulture and Lac culture.
- To learn about the sustainable crop production and renewable energy.
- To learn hydroponics and aquaculture techniques.
- To gain knowledge for business Start-Up's and government schemes.
- To learn about business opportunities in the sector of mushroom cultivation and vermicompost.

Online Training Programme Schedule

Course Duration 16th to 30th Dec. 2021

Online Training Programme will be for two hours from 10:00 AM to 12:00 Noon on daily bases. Student must join the session 15 Minutes' prior to starting time.

Event Co-ordinator

Ms. Sweety Bharti
Assistant Professor

Department Of Agriculture And Forestry

Mob:-7830498009

Email:- sweety.bharti@tulas.edu.in

REGISTRATION FORM

Department Of Agriculture and Forestry

Online training Programme
on

Advances In Agripreneurship And Skill Development Reshaping Future Of Indian Agriculture
16th to 30th December 2022

1. Name:.....

(Block letters)

2. Course Name:

3. Department Name:

4. College/Institute Name:

5. College ID/ College Registration No.:

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Signature of the Participant

Endorsed by Head of Institute/ HoD




Spoken-tutorial Project, IIT Bombay

E-Brochure



Name of FOSS	Applications	Commercial equivalent	Employability	Department
Linux-Ubuntu	Virus free, robust, Operating System	Windows	Technician or System administrator for Computer Vendors (SME's), Indian Railways, Municipal Corporations, Air India and many SME's	Computer Science, IT, ECE, Electronics
LibreOffice -	Basic computer usage Office suite for documents, spreadsheets, presentations, database etc.	MS-Office	Administration, Data entry personnel, Travel Agency Assistant, Indian Railways, Municipal corporations, Govt. offices	All the departments including Schools
Writer	Word Processing, Documentation	Word		
Calc	Spreadsheets	Excel		
Impress	Presentations	Powerpoint		
Base	Managing Databases	Access		
Draw	Drawing	Windows-based Visio		
Math	Mathematical Operations	MathType		
PHP&MySQL	Web development and Database Management	.NET	Website Developer in all types of small and large enterprises, popular companies hiring PHP & MySQL trained persons are Air-India, Bridge & Roof Co., Media channels, agencies etc.	Computer Science and IT
C/C++, Java, Netbeans and Python	Programming language		Programmer in SMEs working in C, Java, Netbeans and Python, Lab- Assistant in colleges, Popular companies requiring programmers on C / C++, Java and Python are HCL technologies, Wipro, L&T, TCS	Computer Science and IT
Scilab	Scientific computation package for numerical computations	Matlab	Value addition in technical problem solving via use computational methods for engineering problems, Applicable in Chemical, ECE, Electrical, Electronics, Civil, Mechanical, Mathematics, etc.	Computer science, IT, ECE, Electronics, Mechanical
LaTeX	Document markup language and preparation system for Tex typesetting	MS-Word	Value addition to academic Skills set. Essential for International paper presentation and scientific journals.	All the departments
OpenFOAM	For Fluid Mechanics to solve and create fluid movies	Fluent	Companies like AUDI, Tata Steel, Volkswagen, etc. have started using it. Also Indian Govt. agencies like BARC (Bhabha Atomic Research Center) are making use of this free software	Mechanical

Director
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Name of FOSS	Applications	Commercial equivalent	Employability	Department
Oscad - now eSIM	EDA tool for circuit design, simulation, analysis and PCB design. It is an integrated tool built using open source software such as KiCad, Ngspice and Scilab.	Orcad	PCB designer in SME's and academic institutions, Lab assistant for Electronic Circuit Lab, Electronic network designer.	ECE, Electronics, EEE, Electrical
Firefox	Web browser	Internet Explorer	System Administrator and Lab assistant in SME's and academic institutes.	All the departments
GIMP	Image Editing and Graphic Design	Photoshop	Self employed photo editor, editor in photostudios, graphic design job in gift stores, advertising agencies, etc.	Arts and Textile designing, Fashion designing, Architecture
Q-CAD	Basic 2D design and drafting	AutoCAD		
Blender	Animation and Computer Graphics	Maya 3D	Animator in graphic and animation media, film etc. Sectors, such as advertising computer games, TV, education, interiordecoration, etc.	Arts, Design
Ruby	Programming language		Ruby was used to implemented the reactive control part for the Siemens service robot. Ruby Web Dialogs based app to manage and track oncall and on-site support for the IT help desk and IT operations teams.	Simulations, 3D Modeling, Business, Robotics, Networking, System Administration, etc.
Perl	High-level programming language		Perl has been called the system administrator's best friend for its ability to make common tasks easy. Perl's process, file, and text manipulation facilities make it particularly well suited for tasks involving quick prototyping, system utilities, software tools, system management tasks, database access, graphical programming, networking, and web programming.	Web developers, system administrators, Mathematicians, geneticists, journalists, managers, etc.
Jmol Application	Jmol applet is used to explore the structure of molecules. Jmol applet is used to depict X-ray structures.		Jmol returns a 3D representation of a molecule that may be used as a teaching tool, or for research e.g. in chemistry and biochemistry. There is a standalone application and a development tool kit that can be integrated into other Java applications.	Chemistry, Biochemistry
CellDesigner	Software for Planning & Designing Wireless Communication Systems, Modeling tool	 Director Tula's Institute, Dehradun	CellDesigner has fully implemented the Korowajczuk 3D model, capable of performing simultaneously outdoor and indoor multi-floor predictions.	BioScience and Biotechnology

Name of FOSS	Applications	Commercial equivalent	Employability	Department
GChemPaint	GChemPaint is an editor for 2D chemical structures with a multiple document interface.		GChemPaint is currently being developed as part of The Chemistry Development Kit, and a Standard Widget Tool kit-based GChemPaint application is being developed, as part of Bioclipse.	School level Chemistry
Inkscape	Graphic Designing	Adobe Illustrator, Coreldraw	Photo editing, Photo Manipulation and Graphic Design	All the departments including Schools
Bash	Bash is a "Unix shell" commandline interface for interacting with the operating system. Bash has the ability to run an entire script of commands, known as a "Bash Shell script" or "Shell script".		Familiarity with GNU/Linux command lines, and familiarity with basic programming concepts is a prerequisite for learning BASH. System administrators will greatly benefit by learning to automate common tasks using BASH.	System Administrators
Ascend	ASCEND is a free, open source, mathematical modelling system.		Its main uses have been in the field of chemical process modelling, with its novel modelling language conventions and powerful solver.	Chemical Engineering
Joomla	Content Management System		To build Website.	All the Departments
Biopython	Tool for Computational Biology and Bioinformatics.		To access online database such as NCBI. It can perform common operations such as transcription, translation, obtain complements, reverse complements, parsing, running BLAST.	Biology, Biochemistry and Dept. of Bioinformatics.
Java Business Application	To create a business application from scratch. Example : Library Management System		To built the business application and provide domain expertise	Computer Science and IT
Kturtle	An educational programming environment which helps in learning how to build logic and how to program, in an easy manner.		Some of its features are : intuitive syntax highlighting, simple error messages, integrated canvas to make drawings on, integrated help function, slowmotion or step execution, and more.	School level
Ktouch	Typing tutor teaches how to type using an online interactive keyboard		Learn typing at your own pace. Gradually increase your typing speed and along with it, your accuracy.	
FrontAccounting	FrontAccounting (FA) is a free and open source accounting software.	Director Tula's Institute, Dehradun Alternative to Tally	FrontAccounting (FA) is a professional web-based Accounting system, written in PHP.	Commerce, Management

Name of FOSS	Applications	Commercial equivalent	Employability	Department
Avogadro	Avogadro is a free and open source, advanced molecule editor and visualizer designed for cross-platform use in computational chemistry, molecular modeling, material science, bioinformatics, etc.	ChemDraw	Academic positions in Chemistry involving teaching as well as R & D.	Chemistry and Bio-Chemistry
Drupal	Drupal is a free and open source content management system (CMS) written in PHP and distributed under the GNU General Public License		Web developer, Web architect, Computer solutions provider, Web technologies, Information systems, Content Managers, Digital solutions.	MCA, MBA, B.Comm., B.Comm. IT, any Engineering dept.
DWSIM	DWSIM is an open-source CAPE-OPEN compliant chemical process simulator. It allows us to conduct experiments and analyze data using advanced models and operations.	ASPEN Plus, CHEMCAD, PRO/II	As engineer in Power, Petrochemicals, Pharmaceutical, Chemical industry.	Chemical Engineering
Open Modelica	OpenModelica is an open source modelling and simulation environment intended for industrial and academic usage. It is an object oriented declarative multi domain modelling Language for complex systems.	Dymola	As engineer in Power, Automotive, Aerospace industry.	Chemical Engineering, Mechanical, Aerospace.
UCSF Chimera	UCSF Chimera is a program for interactive visualization and analysis of molecular structures and related data. Using Chimera, one can generate high-quality images and animations.	ChemDraw	Academic positions in Chemistry involving teaching as well as R&D. Also in chemical industry R&D.	Chemistry
Arduino	Arduino is open-source hardware, open-source software and microcontroller based kit.		Microcontroller and embedded system manufacturing industry, Robotics.	Electrical, Electronics Physics, and Computer Engineering


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Short Term Course on "TALLY & STOCK MARKETS"

Jointly Organized by
Tula's Institute, Dehradun
&

Electronics & ICT Academy, IIT Kanpur



E&ICT Academy, IIT Kanpur
A Joint Initiative of MeitY & IIT Kanpur

In

Graduate School of Business

Date

7th to 11th June 2022



www.tulas.edu.in

About Tula's Institute

Tula's Institute, founded by Rishabh Educational Trust in 2006, is acknowledged as the NAAC A+ Accredited institute as having the highest rating amongst colleges & universities in Uttarakhand. Tula's Institute is one of the 'Top Engineering Colleges in Uttarakhand' for its excellence in academic programs from undergraduate to the postgraduate level.

Tula's Institute is the Ranked as No. 1 College in the Dehradun for placements in core companies, faculty, and infrastructure and Industry exposure.

Tula's Institute Dehradun is dedicated to serving our communities by recognizing the diverse needs of the individuals. It encourages personal and professional development through respect, appreciation and a commitment to general education, as a foundation for life-long learning.

Vision

To emerge as an academic centre producing world class professionals promoting innovation and research.

Mission

To promote intellectual and skilled human capital generation employment and entrepreneurship.

Be educational centre of excellence of multi ethnicity and diversity.

Establish as technology driven teaching learning institution.

Provide world class platform for research and innovation.

Inculcate social, environmental, heritage values.

About Department

Graduate School of Business is the department of management where we provide three courses MBA, BBA and B.com Hons. Through a rigorous and well-planned curriculum, we aim to push students to go beyond their comfort zone and achieve excellence in business. Our main objective is to nurture our students and to make them industry-ready with strong foundations of business management. We are developing priceless managerial skills in students so that in future they can lead the organization in a better way or start their own venture.

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(Signature)
Director
Tula's Institute, Dehradun

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To cultivate the symbiotic relation with industry and other organizations for all round development of the students.

To sensitize the students towards value based and socially responsible behaviour as a business leader and entrepreneur.

About E&ICT

Electronics & ICT Academy (E & ICT Academy) at IIT Kanpur has been mandated to provide industry focused and industry-driven, hands-on courses in Electronics & ICT. It strives to narrow the gap between the academic approach to Electronics & ICT domains as currently provided by the educational institutions and the practically oriented approach as demanded by the industry. It is working towards enhancing the domain expertise of interested faculties with a special focus on the faculties of the three northern states of U.P., Haryana, Punjab and the two union territories of Delhi and Chandigarh, through a continuous engagement model with courses upgraded regularly.

Objective: The main objective of workshop is

- To gain insight about Tally & Stock markets.
- To impart knowledge regarding concepts of financial accounting.
- To learn how to maintain accounts.

- To impart the theoretical and practical information about stock market.

Content

- Functions and Formulas
- Fundamentals of Accounting
- Maintaining Chart of Accounts in Tally ERP
- Mutual Funds
- Functioning of capital markets
- Customizing Excel
- Working on Live Data and Dashboards

Resource Person

Mr. Rajesh Singh & Mr. Rachit
Electronics & ICT Academy
IIT Kanpur

Mob:-7985264294

Short term Course Schedule

Course Duration 7-11 June 2022

Day 1 09:30 to 12:00 & 1:00 to 4:30 PM

Day 2 09:30 to 12:00 & 1:00 to 4:30 PM

Day 3 09:30 to 12:00 & 1:00 to 4:30 PM

Day 4 09:30 to 12:00 & 1:00 to 4:30 PM

Day 5 09:30 to 12:00 & 1:00 to 4:30 PM

Event Co-ordinator

Mr. Anupam Nautiyal
Assistant Professor,
Department of Graduate School of
Business
Mob:-8650275084
Email:- anupam.nautiyal@tulas.edu.in

REGISTRATION FORM

**Graduate School of Business
STC on TALLY & STOCK
MARKETS**

7th to 11th June 2022

1. Name:.....

(Block letters)

2. Course Name:

3. Department Name:

4. College/Institute Name:

5. College ID/ College Registration No.:

6. Address for communication:

PIN:

Mobile:.....

Email:.....

Signature of the Participant

Endorsed by Head of Institute/ HoD


Director
Tula's Institute, Dehradun



TULA'S
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ACCREDITED INSTITUTE
HIGHEST RATING AMONGST
COLLEGES & UNIVERSITIES IN
UTTARAKHAND

**- 5 Days Short Term Course on
"Fabrication Of Voice-Controlled Robot"**

Organized by

**ENSINO Research and Development
Private Limited**



In

**Computer Science & Applied science
Department**

Date

5th to 9th Apr. 2022



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Provide world class platform for research and innovation.

Inculcate social, environmental, heritage values.

About Department

Vision:

To become centre of excellence in teaching and research.

Mission

To induce ethical values and spirit of social commitment.

To provide a learning ambience of enhance innovations and problem-solving skills.

To provide a comprehensive education benchmarked against the highest global standards.

To collaborate with software industry and adopting technology for achieving quality of technical education.

To promote research-based projects / activities in the emerging areas of technology convergence.

Objective

To Educate participants about the principles, techniques, and applications of voice-controlled robotics.

To provide hands on experience and theoretical knowledge.

To understand the interaction of voice recognition technology and robotics.

Resource Person

Er. Ashok Kumar

Director founder of Ensino Research and Development Pvt. Ltd

Short term Course Schedule

DAY	DATE	TIME	ACTIVITY
Tuesday	05-04-2022	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Introduction to Voice control & Robotics
Wednesday	06-04-2022	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Basic Language Processing
Thursday	07-04-2022	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Voice control System Development
Friday	08-04-2022	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Voice control in Real world Applications
Staunday	9-04-2022	10:00 am to 01:00 pm LUNCH 2:00 pm to 4:30 pm	Project Showcase and conclusion.

Event Co-ordinator

Dr. Tripuresh Joshi

Research & Development Cell

Mob:-9897022970

REGISTRATION FORM

Computer Science & Applied
Science Department

STC on Fabrication of Voice
Controlled Robot

5th to 9th Apr. 2022

1. Name:

(Block letters)

2. Course Name:

3. Department Name:

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Signature of the Participant

Endorsed by Head of Institute/ HoD


Director
Tula's Institute, Dehradun



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ACCREDITED INSTITUTE
HIGHEST RATING AMONGST
COLLEGES & UNIVERSITIES IN
UTTARAKHAND

Short Term Course on
"Introduction to Data Science and
Analytics"

Jointly Organized by
Tula's Institute, Dehradun
&
BRILLICA SERVICES



In
Graduate School of Business
Date

17th to 21st May June 2022



www.tulas.edu.in

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About BRILLICA Services

Brillica Services Private Limited is a trusted and best IT training company and provides Web and App Development Services also. With a team of certified, dedicated and knowledgeable IT Professionals having profound subject-matter expertise. We provide blended IT solutions to map all your IT needs. Brillica Services brings forth an array of specialized and in-demand and the best IT training courses with live projects in diverse domains including Data Science, Data Analytics, Project Management, Cloud Computing, Cyber Security, Development and Robotics, and many more. Brillica

Services provides the best project based internship training programs in every aspect with the latest technologies and a team of certified trainers with relevant industry experience. Brillica Services also gives opportunities to work on live projects so that the aspirants become job-ready by the end of their trainings.

Content

Resource Person

Mr. Yogendra Kumar
Brillica Services
Mob: 8882140688

Short term Course Schedule

Course Duration 17 – 21 May 2022

Day 1 09:30 to 12:00 & 1:00 to 4:30 PM

Day 2 09:30 to 12:00 & 1:00 to 4:30 PM

Day 3 09:30 to 12:00 & 1:00 to 4:30 PM

Day 4 09:30 to 12:00 & 1:00 to 4:30 PM

Day 5 09:30 to 12:00 & 1:00 to 4:30 PM

Event Co-ordinator

Mr. Anupam Nautiyal
Assistant Professor
Department of Graduate School of
Business
Mob: -8650275084
Email: anupam.nautiyal@tulas.edu.in

REGISTRATION FORM

**Graduate School of Business
STC on Introduction to Data
Science and Analytics
17th to 21st May 2022**

1. Name:
(Block letters)
2. Course Name:
3. Department Name:
4. College/Institute Name:
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-
6. Address for communication:

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Signature of the Participant

Endorsed by Head of Institute/ HOD

