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Criterion No: 6.3.3

Criterion Details: Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

Sr.	Date	Event for Teaching staff	Event for Non-Teaching staff	Annexure No.
1	23rd December 2021	Soft Skills		Annexure 1
2	10th-14th January 2022	workshop on industrial and robotics		Annexure 2
3	12th February 2022	Research Paper Writing		Annexure 3
4	23rd- 25th March 2022	IPR and Patent Drafting Technique		Annexure 4
5	26th April 2022	National Intellectual Property Awareness Mission (NIPAM)		Annexure 5
6	8th-10th August 2022	effective curriculum delivery		Annexure 6
7	26th-27th August 2022		2 Days Training on LibSys Software	Annexure 7
8	29th August -02 September, 2022	Deep Neural Network		Annexure 8
9	2nd February 2022		Learning Tally. ERP9	Annexure 9

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Title of Event: "Training on Soft Skills"

Date: 23/12/21

No. of Participants: 30

Soft skills are vital components of interpersonal connections for obtaining success in both personal and business goals. Tula's Organized training on Soft Skills by Mrs. Mamta Rawat. It is essential to focus on soft skills to add a talkable point to your CV and career goals.
Objectives:

> Develop effective communication skills (spoken and written).
> Conduct effective business correspondence and prepare business reports which produce results.
> Become self-confident individuals by mastering interpersonal skills, team management skills, and leadership skills.
> Develop all-round personalities with a mature outlook to function effectively in different circumstances.
> Take part effectively in various selection procedures adopted by the recruiters.

Event Creative

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Interactive session by Mrs. Mamta Rawat

Event outcome:

Participants learn the communication and presentation techniques.
Participants learn how to present skills in CV.

Title of Event: "Industrial Robotics Design and Implementation"

Date: 10/01/2022-15/01/2022

No. of Participants: 30

Report:

One-week workshop on Industrial Robotics Design and Implementation was inaugurated at Tula's Institute, Dehradun (10/01/2022). Director (Prof. Sandip Vijay) gave the welcome address in the august gathering of Registrar Prof. Pavan Kumar Chaubey, Dean Academics Dr. Nishant Saxena, Dean Research and Development Dr. Sunil Semwal, R&D Coordinator Dr. Tripuresh Joshi, HOD ECE & EEE Dr. Diwaker Pant among others.

The workshop is being organised under the aegis of SME Dehradun organized by the research and development cell of Tula's institute. Mr. Bhupendra Singh and team (SME, Dehradun) conducted the training sessions. Day one was focussed on introduction to robotics and embedded system, drivers and software installation, Led interfacing. Second day started with a DC motor interfacing, controlling the speed of the stepper motor, L293D IC and its need. Day three emphasis on work on IR sensors & types, controlling motors with IR sensor, designing of autonomous edge detector robot, and line follower robot. Day fourth started with introduction to IOT, cloud web dashboard and web mobile application of IOT. Last day focussed on designing an IOT controlled robot, controlling robot direction through the cloud. After attending, this one-week workshop participants get familiar with the latest trends of technology in designing of industrial robots and its implementation.

Objective:

1. To deliver the hands-on on industrial robotics design
2. Participants will be able to get the insight on importance of robotics in industry
3. Participants will learn about the Arduino Uno

Interaction session with participants

Outcome:

1. Participants learn the Arduino and able to implement the robot using Arduino
2. Participants perform the hand-on on embedded system and sensor interfacing
3. Participants gets the insight on Sensor Technology in robotics

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Title of Event: "Intellectual Property Rights and patent drafting techniques"

Date: 23/03/2022-25/03/2022

No. of Participants: 30

Summary of the Event:

Three days' workshop on Intellectual Property Rights and patent drafting techniques was inaugurated at Tula's Institute, Dehradun (23/03/2022). The welcome address was given by Director (Prof. Sandip Vijay) in the august gathering of Registrar Prof. Pavan Kumar Chaubey, Dean Academics Dr. Nishant Saxena, Director IQAC Dr. M.K. Arora, Dean Agriculture and Management Dr. Ranit Kishore, Dean Research and Development Dr. Sunil Semwal, R&D Coordinator Dr. Tripuresh Joshi, HOD ECE & EEE Dr. Diwaker Pant, HOD ASE Mr. Piyush Dhuliya, HOD ME Mr. Pradeep Kothiyal, HOD CSE Dr. Lokesh Kumar, TPO Mr. Vaibhav Kumar among others. The workshop is being organised under the aegis of Uttarakhand Council of Science and Technology (UCOST) and Tula's Technology and Business Incubator Foundation (TTBIF). The first session was given by Mr. Mukesh Kestwal Sr. Program Manager Innovation, Head Start Foundation on the topic "Essence of IP in Start-Up and Entrepreneurship". The second session was given by Dr. Shweta Singh, CEO, Ennoble IP on "Type of Intellectual Property Rights Consultancy and Services". The third session on the second day was presented by Sweta Singh. Fourth & fifth session was conducted by Ms. Sonali Mewar (Senior patent attorney, K & S partner Gurgaon) on hands on session with IP drafting Technique with case study. Sixth session was on the third day taken by Prof. Unnat P pandit (Controller general of patent) and also holding the position of Professor IP & Innovation at JNU on IP and its scope with national education policy. Seventh session was presented by Sonali with hands-on patent search with case study. The three days' workshop gives participants useful insight on IPR and Patent drafting techniques which enhance their research capability of their respective domain.

Objective: the participants able

- To acquaint the participants with basics of intellectual property rights and patent filing
- To compare and contrast the different forms of intellectual property protection in terms of their key differences and similarities.
- To provide an overview of the statutory, procedural, and case law underlying these processes and their interplay with litigation.
- To encourage young buddies for innovation for the 'Make in India' programme.
- To inform the participants of the various funding platforms and facilities under the Institution's Innovation Council.

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Day 1-2 Inauguration and Interaction session

Outcomes:

Participant are able to know about IPR and Its Types

Participant are familiarizing on patent drafting technique

Participant are able to Perform the patent search

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Title of Event: "Effective Curriculum Delivery"

Date: 08/8/2022-10/08/2022

No. of Participants: 50

Summary of the Event:

Tula's research cell organized the 3-days workshop on "effective curriculum delivery" for faculty members of all departments, this workshop was focused on the different aspects of curriculum design and implementation, like development of a curriculum and effective delivery of the curriculum through different teaching and learning methodology.
The eminent speaker of first session day one was Dr. Vekatesh Raikar, Director at KLE technological University focuses his talk on curriculum development with different models for colleges and universities from NAAC/NBA perspective. The speaker for Second session day one was Dr. Narshima Ayachit, Registrar at KLE technological University, Dr. Ayachit focuses his talk on quality in higher education teaching-learning.

The eminent speaker of first session day two was Dr. Kshitij Singhal, Dean MIT, Moradabad, discussed the faculty student interaction and art. The speaker for Second session day was Dr. Arvind Bal Gupta, Head Curriculum Development centre NITTTR Chandigarh delivered his talk on principle of curriculum design and delivery.

On the third day the eminent speaker was Dr. S. C Handa, Prof. (Retd.) IITR delivers his talk on How to be an excellent teacher, Dr. Handa provides important insight on the quality of teaching and his topic of talk is his legendary presentation "Taj Mahal". The speaker of session two last day was Dr. Pankaj Bijalwan, Dr. bijalwan delivered the talk on efficient time management and stress management. Dr. Sandip vijay, Director, Dr. Nishant Saxena Dean Academic, Dr. Sunil Semwal Dean R&D and Dr. Ranit kishor, Dean Agriculture and Management of Tula's Institute, Dehradun was presented in
the event.
Program Schedule

S.N	Topic	Speaker	Time	Date
1	Curriculum Design	Dr. Vekatesh Raikar	11:00-1:00	08/08/2022
2	A Quality in Higher Education Teaching-Learning	Dr. Narshima Ayachit	2:00-4:00	
3	How to be an effective teacher	Dr. Kshitij Singhal	11:00-1:00	09/08/2022
4	Curriculum design and development	Dr. A. B Gupta	2:00-4:00	
5	How to be an excellent teacher	Dr. S.C. Handa	11:00-1:00	10/08/22
6	Time and Stress Management	Dr. Pankaj Bijalwan	2:00-4:00	
7	Valedictory and vote of thanks	Dr Sandip Vijay/Dr. Nishant Saxena	4:00-4:15	

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Event Creative

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Title of Event: "Hands-on Short-Term Course on Deep Neural Networks"

Date: 29/8/2022-02/09/2022

No. of Participants: 140 (Participants of B.Tech CSE 3rd, 4th and MCA 2nd yr)

Summary of the Event:

Resource Person:

Dr. Satish Kumar Singh, Associate Professor, IIIT Allahabad
Dr. Nayaneesh Mishra, Ncode Sutram for Artificial Intelligence Pvt. Ltd.
Mr. Nand Kumar Yadav, Assistant Professor, IIIT Allahabad

Department of Computer science engineering, Tula's Institute, Dehradun, organized a 5 days Hands-on Short-Term course on Deep Neural Networks. The event was coordinated by Mr. Sanjay Tyagi, Assistant Professor under the able guidance of Dr. R. B. Singh, Head of Department of Computer Science. During the course following topics were covered:

- Classifiers

- Neural Networks

- Convolutional Neural Networks (CNN)

- Training Network

- CNN Architectures

- Generative Adversarial Networks

The course was divided into 15 slots of 1.5 hrs each. Participants were given theoretical and practical insight of the topics covered during the course. Participants interacted with the speakers during their practical sessions and cleared their doubts in the questionnaire session. Course was attended by the participants of B.Tech CSE 3rd, 4th and MCA 2nd yr. Overall it was a great learning experience for participants.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING IS ORGANIZING 5 DAYS HANDS-ON SHORT-TERM COURSE ON

DEEP NEURAL NETWORKS

SPEAKERS

Dr. Satish Kumar Singh
Associate Professor
(IEEE UP Section Chair)
IIIT Allahabad

Dr. Nayaneesh Mishra
N Code Sutram for Artificial
Intelligence Pvt. Ltd.

Mr. Nand Kumar Yadav
IIIT Allahabad

29th AUG - 2nd SEPT, 2022 | 09:30 AM - 04:30 PM
Conference Hall, Tula's Institute

Event Creative

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Tula's Institute, Dehradun

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Event: National Intellectual Property Awareness Mission (NIPAM)

Date: 26 April 2022

Expert Speaker: Ms. Tripti Pandey

Participants: 35 Members

Objective:

- To set up and maintain the services for researchers, Faculty members and participants for effective commercial utilization of intellectual property generated at Institute in the interests of all concerned and to oversee the fair distribution of the returns accruing as an outcome of the patent in accordance with the policy and its amendments.
- To promote safeguarding of the intellectual property interests of all those who are involved in the creation of intellectual property at the University.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IS ORGANIZING

GUEST LECTURE ON

"NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION (NIPAM)"

SPEAKER
TRIPTI PANDEY
Examiner of Patents & Designs, Patent Office, Delhi

APRIL 26, 2022 | VENUE: SEMINAR HALL, TULA'S INSTITUTE | **11:30 AM to 1:00 PM**

COORDINATOR: DR. SANDEEP KUMAR (9457272262)

Event creative

Summary: One day workshop on Intellectual Property Rights was inaugurated at Tula's Institute, Dehradun 26/04/2022. The welcome address was given by Director (Prof. Sandip Vijay) in the august gathering of Registrar Prof. Pavan Kumar Chaubey, Dean Academics Dr. Nishant Saxena, Director IQAC Dr. M.K. Arora, Dean Agriculture and Management Dr. Ranit Kishore, Dean Research and Development Dr. Sunil Semwal, R & D Coordinator Dr. Tripuresh Joshi among others.

Further, she continued the session, told us about the IPR and its benefits and how it can be helpful for everyone. She also talked about the strong and effective laws with regard to IP rights, consistent with international obligations, to modernize and strengthen IP administration, to

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catalyze commercialization of IP rights. To strengthen the enforcement and adjudicatory mechanisms for combating IP violations and to promote awareness and respect for IP rights.

Interactive session with participant

Outcome:

1. Participants were taught on how IPR restricts copying others' ideas and how this will help the development of new ideas for the betterment of the society.

2. Participants learnt how IPR provides total control over a new innovation and its creator. They were also given a platform to discuss how small innovations influence societies at large and how they should indulge in innovating and patenting ideas that will be useful for all the classes of individuals in the society.

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Event: Expert session on "Research paper writing" with Dr. Geeta Marwat **[Google meet]**

Date: 12-February-2022 (1:30 PM- 3:30 PM)

Sponsor: Graduate school of Business (Departmental activities committee)

Objective:

The main purpose of organizing this event is to make faculty members certain on writing research papers and to educate them for systematic investigation into reality to gain knowledge.

Event Creative

Summary:

Graduate School of Business of Tula's Institute, Dehradun organized an Expert session on research paper writing for all the faculty members of GSB on 12th December 2021.

Dr. Geeta with respect to the research paper writing talked about

- Overall purpose of study
- How to choose a topic?
- How to write a thesis or introductory statement?
- The difference bet. plagiarism and acceptable plagiarism
- How to use "parenthetical notations."
- Bibliography & proper format.

Over all it was great experience for each one of us, swotting with one of the research sages – Dr. Geeta Marwat.

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Online Session content

Outcome: Knowledge enrichment and General know-how with respect to:

- Research & its methods
- Breaking the goal down into sub-categories to develop an objectives
- Assessing the objective using the SMART acronym
- Addressing study gaps
- Literature review
- Usage of Various statistical tools
- Numerous challenges one can come across while writing a research paper

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Event: "2 Days Training on LibSys Software"

Date: 26th-27th August 2022

Department: Central Library, Tula's Institute

Tula's Library organized a 2-day workshop on Libsys Software from 26 Aug-27 Aug 2022 in which Mr. Kamal Kant (Former Librarian, Nalanda University, Rajgir) was the resource person. The workshop was inaugurated by Dr. Sandip Vijay (Director Tula's Institute) by wearing a stole to Resource Person.

The inaugural function was attended by Dr. Nishant Saxena (Dean Academics), Dr. Pawan Kumar Choubey (Registrar), Dr. Ranit Kishor (Dean Management and Agriculture) and Mr. Abhishek Kumar Sharma (Senior Librarian). All the staff of the library including the senior librarian participated in the two-day workshop.

Workshop Agenda

Day 1:

On the first day, the library staff was made aware of the various modules of Libsys software by the resource person, in which information about acquisition, circulation, cataloguing, OPAC was given.

1-Acquisition: -The resource person provided information on how to access the library study material and how the library orders are processed by the Libsys software.

2- Circulation: -The process of issuing, returning and renewing books to the student was discussed in the circulation module. The process of extending the due date of already issued books was also discussed.

3- Cataloguing: - Discussed with library staff how to process library study material in cataloging module of Libsys software.

4-OPAC: Discussed with library staff on how OPAC searches library material with the help of title, author, publisher, ISBN number.

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Day 2:

On the second day of the workshop, the resource person explained to the library staff about the various new technologies used in the library.

1. **QR-Code:** - Generating QR-codes for library's e-resources and use of QR-codes by library users.

2. **Book Number:** - Generation of book number by OCLC cutter methods.

3. **Plagiarism:** - Library staffs were made aware of plagiarism software, how plagiarism software works and how to detect plagiarism in any document.

4. **Stock Verification:** A discussion was held and the library staffs were trained on the process of stock verification of library material by Libsys software.

After the conclusion of the workshop the resource person visited the library, in which some suggestions were given to the librarian to improve the working and documentation of the library, which are as follows.

S.No.	Audit points	Status	Observation & Suggestions
1	Library is automated using Integrated Library Management System (LIBSYS)	Available	Library should be shifted from LIBSYS software to KOHA software (Open Access Software) KOHA OPAC can also be used for library website.
2	Book Barcode	Available	The Size of the Barcode of Books should be larger
3	Reading Room	Available	Separate reading room required of self-study
4	Spine label of books	No	The call number of the books should be placed on the spine of the Books.
5	Book No.	Available	OCLC Cutter's tool may be used for book no.
6	Book Exhibition/Book Fair	No	Book Exhibition/book fair may be organize for the addition of latest edition of books as per syllabus.

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7	Institutional Repository	Available	Institutional Repository through open source software DSpace may be Implemented in the library. The following resources can be managing and access on Internet (with I the campus) 1- Old Question Papers 2- News Papers Clippings 3- Useful journals articles 4- Faculty publications.
8	QR Code	No	QR Codes of various online library services and resources may be pasted in the library, so that users can scan the QR code and access the desired resource.
9	Shelf location of books	Available	In my view displaying subject and class no should be in frame with plastic transparent sheet on books shelf.
10	Displaying library activates and services	Available	To be installing LED in entrance point of library for displaying library activities and services.
11	Footfall counter report	Available	Entry and Exit attendance of library users should be done online mode through software.
12	Orientation program	Available	Orientation training and information literacy programme should be organized by the library at regular intervals so that more users can improve their proficiency in e-resources use for academic purpose.

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Interactive session with library staff

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Event pics: inauguration & interactive session

Event: LEARNING TALLY.ERP 9

Date: 02/02/2022

No. of Participant: 08

Tula's institute organized the Tally.ERP9 workshop on 2nd February 2022, Tally is popular accounting software used by businesses to manage their financial transactions, inventory, and payroll. It is widely used in India and other countries in the South Asian region. The software is known for its user-friendly interface, simplicity, and flexibility.

In a Tally.ERP9 workshop, participants can expect to learn how to use the software to manage their financial transactions, generate reports, and maintain their accounts. The workshop may cover topics such as creating and managing ledgers, recording transactions, generating invoices, managing inventory, and processing payroll.

Participants may also learn about the various features of Tally.ERP9, such as its support for multiple languages, its ability to handle multiple companies and branches, and its integration with other software and tools.

The workshop may be led by a Tally expert who will demonstrate how to use the software and answer any questions participants may have. Participants may also have the opportunity to practice using the software themselves. Overall, a Tally.ERP9 workshop can provide participants with a solid understanding of how to use the software to manage their financial transactions and accounts.

TULAS
DEHRADUN
Estd. 2006

Tally
POWER OF SIMPLICITY

Participation Certificate

This is to certify that

Mr./Ms. _GAURAV BHANDARI_

has successfully attended the course, **'Learning Tally.ERP 9'**

Conducted by _SOFTWIN SOLUTIONS_

Certificate No. _0876202_

Authorised Signatory

Tally Academy

Event certificate for participants

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Participation Certificate

This is to certify that

Mr./Ms. _Nikhil Kumar_

has successfully attended the course, **'Learning Tally.ERP 9'**

Conducted by _SOFTWIN SOLUTIONS_

Certificate No. _0876203_

Authorised Signatory

Tally Academy

Event certificate for participants

Outcome:

- Learn the basics of Tally Software
- Understand the financial management and tool use of using tally

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