

The Technological Institute of Textile & Sciences Bhiwani



Affiliated to Maharishi Dayanand University, Rohtak, Haryana

***1.2.2 Number of Add on /Certificate programs
offered during the last five years.***

The Technological Institute of Textile & Sciences,
Birla Colony, Bhiwani – 127021(Haryana)

Phone: +91 1664 242561(4 Lines)

Fax: +91 1664 243728

Website: <https://www.titsbhiwani.ac.in>



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

Criteria 1

NAAC 2022/ DVV/Criteria-1/1.2/1.2.2

Date: 09/06/2022

Criteria	Criteria 1- Curricular Aspects
Key Indicator	<i>1.2.2 Number of Add on /Certificate programs offered during the last five years</i>
Finding In DVV	Please provide Summary report of each program year wise along with their outcome.
Response/ Clarification :	Year wise summary report of each program along with their outcome is attached in Appendix-I.
Description	Response Relevant Link :
Year wise summary report of each program along with their outcome (Appendix-I)	http://titsbhiwani.ac.in/NAAC/dvv/1.2.2.pdf


Director

Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

Ref: DVV Clarification for Metric level: 1.2.2

Sub: Response to DVV Clarification for Metric level: 1.2.2

Number of Add on /Certificate programs offered during the last five years

1.2.2.1. How many Add on /Certificate programs are offered within the last 5 years.

HEI Input :

2020-21	2019-20	2018-19	2017-18	2016-17
09	08	09	08	07

Year-wise summary report of each program along with their outcome is attached in Appendix-I.

DIRECTOR

Director,
THE TECHNOLOGICAL INSTITUTE
OF TEXTILE & SCIENCES, BHIWANI

Appendix – I


2016-17



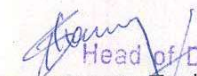
THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Specialized Textile Testing Methods
Session	2016-17
Program Coordinator	Mr. Saumen Bhattacharyya
Duration	14-08-2016 to 18-09-2016 and 30 Hours
Class	5 th Semester TT
Participant Count	Enrolled – 59 and Certified-55
Description	<p>The VAP is organized for the 5th semester TT students to enhance their skills in the field of Specialized Textile Testing Methods</p> <p>The VAP also includes the use of advanced textile testing equipment for characterization of textile structures.</p>
Outcome	<p>The following outcomes are achieved</p> <p>Students understood the principle non-woven testing procedures.</p> <p>Students understood the principles of testing of composites.</p> <p>Students understood the principle of testing of Geo-textiles.</p>


Course Co-ordinator


Director
The Technological Institute of Textile & Sciences
BHIWANI


Head of Department
Head (Textile Technology)
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Microencapsulation in Textile
Session	05-09-2016 to 10-09-2016
Program Coordinator	Dr. A K Patra
Duration	33 hours
Class	TC 5th Semester (3rd Year)
Participant Count	60
Description	Value added program on "Microencapsulation in Textile" organized by the Textile Chemistry Department from 5th to 10th, Sept, 2016 for the students of 3rd Year TC. Dr A K Patra (HOD, Textile Chemistry) was the resource person as well as course co-coordinator for this program. Total 60 students enrolled in the program and all the students successfully completed the program. The goal of Microencapsulation in Textile are to coat an active compound by an encapsulating agent which protect from the external environment.
Outcome	The students able to learn the recent innovation other than their syllabus, the participants were able to express their interest on Microencapsulation to do some project work on to it.

Dr A K Patra
(Course Coordinator &
Head Textile Chemistry)

Head of Department
Department of Textile Chemistry
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana

Director
The Technological Institute of Textile & Sciences
BHIWANI



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Python for Beginners
Session	2016-2017
Program Coordinator	Ms. Jyoti Chaudhary and Ms. Monika Sharma
Duration	38 Hours
Class	3 rd Year CSE & IT students
Participant Count	124/126
Description	<p>Value-Added Programme title "Python for Beginners" was organized by Ms. Jyoti Chaudhary and Ms. Monika Sharma for the 3rd Year CSE & IT students. This was eight days program from (01-07-2016 to 09-07-2016 and 11-07-2016 to 19-07-2016). This program covered basics of python and discussed following modules:-</p> <p>Day 1: Introduction to Python (5 hrs.) Day 2: Basics of Python (5 hrs.) Day 3: Control Structure (5 hrs.) Day 4: Data Structures in Python (5 hrs.) Day 5: Functions in Python (5 hrs.) Day 6: Object-Oriented Programming in Python (5 hrs.) Day 7: Exception Handling in Python (5 hrs.) Day 8: Important Libraries in Python (3 hrs.)</p> <p>124 students attended this program and got certificate of participation.</p>
Outcome	<ol style="list-style-type: none">1. To acquire programming skills in core Python.2. To acquire Object Oriented Skills in Python3. To develop the skill of designing Graphical user Interfaces in Python4. To develop the ability to write database applications in Python

Ms. Jyoti Chaudhary and Ms. Monika Sharma
Program Coordinator


Director
The Technological Institute of Textile & Sciences
BHIWANI


Dr. Mukesh Kumar
H.O.D.(CSE)
Head of Department
Department of Computer Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	FASHION PHOTOGRAPHY
Session	2016-2017
Program Coordinator	Ms. Shelly Khanna
Duration	36 hours
Class	4 th year FAE
Participant Count	18
Description	<p>The program was scheduled from 17-06-2016 to 06-07-2016. The total number of students registered was 18 from Final year FAE branch.</p> <p>The course is aimed at getting the Fashion & Apparel students acquainted with the concepts and practical applications of photography as a medium of Fashion communication in this ever demand oriented changing Industry. In this course, the fundamental of photography is covered that focused on the significance of the area along with the historical evolution of the photographic medium as a communication media for the Fashion & Apparel Industry. In this, the in-depth coverage of the Digital photography is also done with emphasis on sensors, image quality & Resolution, storage and composition of images using software.</p> <p>The support of color theories to fashion photography has been elaborated using color models, fashion schemes & cycles. The areas of digital photo editing for glamour world have been explored as well.</p> <p>The closing of the program was done with the exhibition of the art-e-facts designed by the students. The student count successfully completing the program was 18.</p>
Outcome	<p>After this program, the students became aware of the importance of this field for the professional Fashion Industry. The main take aways from the program included the knowledge of fashion principles, digital techniques of capturing, storing and editing the photo-realistic images for the fashion communication. The fashion Industry catering to the fashion advertising arena using photography as a lucrative perspective for the students to adopt it as a successful career. The imagery created at the end of the program added tremendous value to the practical knowledge bank of students.</p>

Ms. Shelly Khanna
Program Co-ordinator

Director
The Technological Institute of Textile & Sciences
BHIWANI

Dr. K.N. Chatterjee
Head of Department

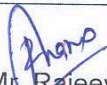
Head of Department
Department of Fashion & Apparel
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani - 127 021

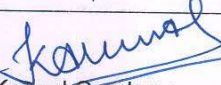


THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

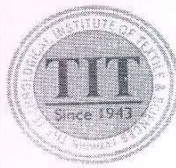
VAP Summary	
VAP Title	ARTIFICIAL INTELLIGENCE & ROBOTICS
Session	2016-17
Program Coordinator	Rajeev Sharma
Duration	32 Hrs
Class	3 rd year of ECE
Participant Count	45
Description	<p>A value-added Program on “Artificial Intelligence & Robotics” is organized by the department of ECE from 1st June to 8th June 2016 for the students of 3rd year of ECE. There were four resource persons in this program. Coordinator of this VAP was Mr. Rajeev Sharma, Assistant professor in ECE department. 45 students attended this program and all got certificate of attending this VAP.</p>
Outcome	<p>After attending this value added program on “Artificial Intelligence & Robotics”, students will be able to understand the basic concepts of artificial intelligence and how this is applied in robotics. Students will also be able to do understand the basic concept of deep learning and machine learning</p>


Mr. Rajeev Sharma
Program Coordinator


Mr. Kamal Sardana
H.O.D (ECE)

Head of Department
Department of Electronics & Communication Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



Director
The Technological Institute of Textile & Sciences
BHIWANI




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Mechanical Biomedical engineering
Session	2016-17
Program Coordinator	Mr Devender Lamba
Duration	30 Hours
Class	3 RD Year ME Students
Participant Count	54
Description	Department of Mechanical engineering organized a VAP on Mechanical Biomedical engineering. This value addition programme aims to provide knowledge to students about interrelation between mechanical and biomedical engineering. It was a 30 hours course. In total 54 students of mechanical final year took part in the course and department faculty as per their expertise delivered the lecture.
Outcome	Students of Mechanical engineering learned the perspective and utilization of mechanical engineering in biomedical engineering.


(Programme Coordinator)


Director
The Technological Institute of Textile & Sciences
BHIWANI


Head of Department
Department of Mechanical Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Personality Development Programme
Session	2016-17
Program Coordinator	Dr M K Nanda, Dr S N Singh
Duration	39 hrs
Class	First Year
Participant Count	Admitted 110 Certified 107
Description	<p>Young adults today are under tremendous pressure in order to carve out a niche for survival in life. They are subjected to fierce competitions with peers not only in academics, but also in job hunting and establishing careers. It has long been felt that besides prescribed curricula, our students must be given additional training in relevant aspects so designed to widen their outlook and perspectives.</p> <p>The goals for the Personality Development Programme were:</p> <ul style="list-style-type: none">• develop life-skills and enhance potential of students• enrich mind-sets of students towards establishing their own career
Outcome	<p>a) The programmes always met with astounding responses from participants. However, at the end of the Programme, suggestions for longer duration and wider topic coverage always featured in the Feedback/ Evaluation sheets.</p> <p>b) Since its launch, students actively participated and benefitted from the Course.</p> <p>c) More than 90% of the topics were found to be relevant. The Course provided students with necessary facilities and tools to face challenges that pertain to the lifestyles and scenario faced by young adults in today's world.</p> <p>d) The performance against targets and benchmarks, and the reviews gave strong indication that the Institutional Best Practice on "Personal Development" course can be successfully integrated in UG Colleges as an Add-on Course because it is innovative, flexible and student-centric.</p>

S. N. Singh
Programme Co-ordinator

[Signature]
Director
The Technological Institute of Textile & Sciences
BHIWANI

[Signature]
HOD

2017-18



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Quality Management System in Spinning Industry
Session	2017-18
Program Coordinator	Dr Suman Bhattacharyya
Duration	20-08-2017 to 01-10-2017 and 33 Hours
Class	3 rd Semester TT
Participant Count	Enrolled – 42 and Certified-38
Description	<p>The VAP is organized for the 3rd semester TT students to enhance their skills in the field of Quality Management System in Spinning Industry.</p> <p>The VAP also includes the concept of quality and the measures adopted to produce quality product as per international standard in a spinning industry.</p>
Outcome	<p>The following outcomes are achieved</p> <p>Students understood the concept of quality.</p> <p>Students understood the concept of quality control and the application of statistics in quality control with special reference to interpretation of test result.</p> <p>Students understood the definition of Quality Audit and importance of auditing.</p>

Suman Bhattacharyya
Course Co-ordinator

[Signature]
Director
The Technological Institute of
BHIWANI

[Signature]
Head of Department
Department of Textile Technology
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Computer Technology for Textiles and Apparel
Session	14-08-2017 to 19-08-2017
Program Coordinator	Dr. Amal Chaudhary & Mr. Amit Madhu
Duration	36 hours
Class	TC 5th Semester
Participant Count	48
Description	<p>The objective of Computer Technology for Textiles & apparel program was to give digital platform to the students to impart a pattern design of paper into a fabric, through longitudinal and transverse direction of fabrics.</p> <p>Value added program on " Computer Technology for Textiles and Apparel " organized by the Textile Chemistry Department from 14th to 19th, August, 2017 for the students of 3rd Year TC. There were 2 resource persons and Dr. Amal Chaudhary & Mr. Amit Madhu were the course co-coordinator for this program. Total 48 students enrolled in the program and all the students successfully completed the program.</p>
Outcome	<p>The participants were able to learn something innovative and interesting, the participants were able to express their interest on Computer Technology for Textiles and Apparel .</p>


Dr. Amal Chaudhary & Mr. Amit Madhu
(Program Coordinators)


Dr A K Patra
(Head Textile Chemistry)

Head of Department
Department of Textile Chemistry
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana


Director
The Technological Institute of Textile & Sciences
BHIWANI



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Artificial Intelligence & Machine Learning Using Python
Session	July 2017 – June 2018
Program Coordinator	Satvika
Duration	32 hours
Class	4 th and 6 th Semester Students
Participant Count	118
Description	This course is based on the theoretical and practical concepts of Artificial Intelligence and Machine Learning. The implementation language used for the course is Python. It contained myriad topics from basics of AI to advanced topics like neural networks, etc.
Outcome	The students gained full insights about the Artificial Intelligence, its applications, ethical issues, types of machine learning, chief libraries used for it, data science, neural networks and deep learning.

Satvika
Ms. Satvika
(Program Coordinator)

[Signature]
Head of Department
Department of Computer Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana

[Signature]
Director
The Technological Institute of Textile & Sciences
BHIWANI



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	BUILD YOUR FIRST ANDRIOD APP
Session	2017-18
Program Coordinator	Mr. Anil Kumar Yadav
Duration	One Week(35 Hrs)
Class	Second and Pre- final Students
Participant Count	117
Description	<p>Anil Kumar Yadav Assistant Professor in CSE conduct a Value-Added Programme title "BUILD YOUR FIRST ANDRIOD APP" for the 2nd and 3rd Year students of CSE & IT. The Value Added Programme adds an extra edge to the students technical Skill, keeping all this in mind a VAP was scheduled</p> <p>The duration of the course was 07 days (35 Hours i.e. 5 hours per day) from date 22-06-2018 to 29-06-2018. In this VAP total 117 students are registered and all students got the successful participation certificate.</p> <p>Sh. Surrender Singh and Anil Kumar Yadav are the main resource person of the VAP.</p>
Outcome	<p>After completion of this course, students are able to Understand the following concepts.</p> <p>Android platform architecture</p> <p>Design, develop, debug, and deploy Android applications</p> <p>Use Android SDK's Emulator to test and debug applications</p> <p>Construct user interfaces with built-in views and layouts</p> <p>Define custom view and layout</p>

Anil Kumar Yadav
Assistant Professor CSE
Program Coordinator

Dr. Mukesh Kumar
Associate Professor
HOD CSE/IT
Head of Department

Department of Computer Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana


Director
The Technological Institute of Textile & Sciences
BHIWANI




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	DIGITIZATION OF TEXTILE DESIGNING PROCESSES
Session	2017-2018
Program Coordinator	Ms. Shelly Khanna
Duration	36 hours
Class	3 rd & 4 th year FAE
Participant Count	77
Description	<p>The program was organized from 07-07-17 to 15-07-17. The total number of registered students was 77 from 3rd & 4th year FAE department.</p> <p>The course is aimed at getting the Fashion & Apparel students acquainted with the textile designing processes for the practical implication of the design on textile surfaces. The digitization of textile designing techniques was covered for weaving, printing and embroidery. The manual weave designs and dedicated CAD is incorporated with special features and tools. The application of print designs digitally on textile and non-textile surfaces is elaborated with types of printing and use of technology as an interface of CAD/CAM for the commercial end products. In addition to it, CAD for embroidery is taken as a value-added feature for textiles with CAD/CAM. Different modules of embroidery designing are focused using dedicated software.</p> <p>The students are required to design the allocated number of feasible and practical designs using the different designing techniques.</p> <p>The certificates were issued to those students who gave presentations and timely assignments. The students successfully completing the course was 77.</p>
Outcome	<p>After this program, the students became aware of the importance of this field of digitization of textile designing methods using different CAD packages, that are commercially viable for the textile product design & development. The students are equipped with the know-how of manual weave designs, print formation and artwork as embroidery motifs. They have learnt the simulation of manual designs with the advent of the CAD packages, that will help them to be Industry ready in terms of technology. The art of conversion of manual art-e-facts into digital imagery has been learned by the students.</p>


Ms Shelly Khanna
Program Co-ordinator


Director
The Technological Institute of Textile & Sciences
BHIWANI

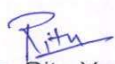

Dr. K.N. Chatterjee
Head of Department
Head of C
Department of Fashion & Apparel
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana

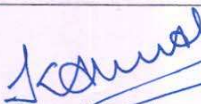


THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Advance in Internet of Things
Session	2017-18
Program Coordinator	Ritu Yadav
Duration	32 Hrs
Class	3 rd year of ECE
Participant Count	50
Description	Ms. Ritu Yadav Assistant professor in ECE department organized a value-added Program on "Advance in Internet of Things" from 1st July to 8th July 2017 for the students of 3rd year of ECE. There were five resource persons in this program. 50 students attended this program and all got certificate of attending this VAP.
Outcome	After attending this value added program on "Advance in Internet of Things", students will be able to understand the basic concepts of IOT and sensors. Students will also be able to understand the architecture of Arduino board and later on they can make certain voice controlled mini home automation using Android smartphone.


Ms. Ritu Yadav
Program Coordinator


Mr. Kamal Sardana
H.O.D (ECE)

Head of Department
Department of Electronics & Communication Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana


Director
The Technological Institute of Textile & Sciences
BHIWANI



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Integrated product design & manufacturing of traditional islamic star pattern
Session	2017-18
Program Coordinator	Mr Vikash
Duration	30hours
Class	4th Year ME Students
Participant Count	45
Description	Department of Mechanical engineering organized a VAP on Integrated product design & manufacturing of traditional islamic star pattern .This value addition programme aims to provide knowledge about CAD designing. In addition an emphasis has been made to highlight what future work can be carried out in the said field. In total 45 students of 4 th year Mechanical Engineering successfully completed the course out of 45 students. And department faculty as per their expertise delivered the lecture. It was a 30 hours course divided in one month.
Outcome	Students got to know that how to analyze and modify the Islamic star pattern using digital algorithm, introducing a method to efficiently modify and control classical geometric patterns through experiments and applications of computer algorithms.

Lhr

Programme - coordinator

[Signature]
Director
The Technological Institute of Textile & Sciences
BHIWANI

[Signature]
Head of Department
Department of Mechanical Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Foundation programme in Life Skills
Session	2017-18
Program Coordinator	Dr M K Nanda, Dr S N Singh
Duration	36 hrs
Class	First Year
Participant Count	Admitted 108 Certified 108
Description	<p>When the students enter college life it is very difficult to manage themselves as this is a state of confusion and due to this students commit behavioural blunders which mar the chances of their smooth survival with seniors and peers. Thus, it highly imperative to offer these new joiners some orientation in Communication Skills so that their transition to college life is eased. The Foundation Programme in Life Skills aimed at providing students with a base for better academic pursuit and career. The course facilitated value addition to students' lives beyond routine curriculum in core life skills.</p>
Outcome	<p>The programme exhibited following outcomes:</p> <ol style="list-style-type: none">The students were able to perform daily communicative transaction with ease.The instances of behavior-induced frictions were not reported.The students were also observed to enter different offices confidently and raised their queriesGood improvement was also observed in overall communicative behavior of students.

S.N. Singh
Programme Co-ordinator

[Signature]
HOD

[Signature]
Director
The Technological Institute of Textile & Sciences
BHIWANI

2018-19



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Data Science
Session	2018-2019
Program Coordinator	Ms. Nidhi Sharma
Duration	35hrs
Class	3 rd year CSE
Participant Count	57 / 59
Description	<p>Ms. Nidhi Sharma organized a Value added program on "Data Science" for the students of 3rd year Computer Engineering from 09-6-2018 to 14-6-2018.</p> <p>Following contents were covered:</p> <p>DAY 1:Module 1 (6 Hrs) - Introduction to Programming</p> <p>DAY 2:Module2(6 Hrs) - Programming Constructs</p> <p>DAY 3:Module 3 (6 Hrs) - Problem Solving & CS Fundamentals</p> <p>DAY 4:Module4(6 Hrs) - Statistical Analysis & Data Analytics</p> <p>DAY 5: Module 5 (6 hrs) - Data Science</p> <p>DAY 6:Module 6(5hrs) - Machine Learning</p> <p>In this VAP 59 students attended the course and 57 got certificate of participation.</p>
Outcome	<p>To understand basic of different Programming constructs like Functions, Recursions, Pointers, Structures, Time complexity issues etc.</p> <p>To acquire programming skills in Data sciences.</p> <p>To develop the skills of designing graphical user interface</p> <p>To develop the ability to write database application</p> <p>To demonstrate proficiency with Statistical Analysis of Data.</p>

Ms. Nidhi Sharma
Program Coordinator

Dr. Mukesh Kumar
H.O.D. (CSE)
Head of Department
Department of Computer Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana


Director
The Technological Institute of Textile & Sciences
BHIWANI




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Graphic Design and Animation using C and Flash
Session	2018-2019
Program Coordinator	Mukta Goel
Duration	5 days
Class	2 nd year CSE & IT
Participant Count	87
Description	Computer graphics remains one of the most exciting and rapidly growing computer field. Computer graphics has now become a common element in user interfaces, data visualization, television commercial, motion pictures, and many-many other applications. With the advantages of Graphics, we can design different applications and tools which can be beneficial in our daily life. Besides, some entertaining applications can also be designed using Graphics. such as Games, animations, Photo Effects etc. With the help of this course we introduced the basics of Graphics, designing and animations.
Outcome	Total 87 students had participated in this programme. After attending the programme, students are able to design animation projects in C as well as in Flash.


Mukta Goel
Assistant Professor IT
Program Coordinator


Dr. Mukesh Kumar
Associate Professor
HOD CSE/IT
Head of Department
Department of Information Technology
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana

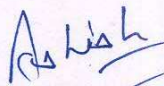

Director
The Technological Institute of Textile & Sciences
BHIWANI




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Knit Design, Development & Quality Assurance
Session	2018-2019
Program Coordinator	Mr. Ashish Bhardwaj
Duration	32 hours
Class	3rd Year FAE Students
Participant Count	33
Description	<p>The program was organized from 8-6-18 to 15-06-18 with the participant count at 33 from 3rd year FAE branch.</p> <p>The objective of Knit design, development & quality assurance VAP was to provide insights & current trends of knitting and quality assurance in textile and apparel industry along with identification of fabrics, manufacturing techniques for knit products, machines used, knit structures & their properties, knitting machines and quality assurance in knitted products.</p> <p>The number of students successfully completing the VAP was 32 with the fulfillment of the attendance criteria.</p>
Outcome	<p>The VAP participants were able to identify and check various knitted fabrics styles using a range of samples. The participants were able to know various quality standards in textile and apparel industry like TQM, SA-8000, SIX-SIGMA, QUALITY CIRCLE and others. Also, students got insights about Quality audits, Current scenario of knitting industry & SWOT ANALYSIS of Indian Textile Industry.</p>


Mr. Ashish Bhardwaj

Program Co-ordinator


Dr. K.N. Chatterjee

Head of Department

Head of Department
Department of Fashion & Apparel Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



Director
The Technological Institute of Textile & Sciences
BHIWANI




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Measurement of Fabric Texture and Aesthetics by Image Processing Technique
Session	2018-19
Program Coordinator	Dr. Ajit Kumar Pattanayak
Duration	12-08-2018 to 30-09-2018 and 32 Hours
Class	5 th Semester TT
Participant Count	Enrolled – 57 and Certified-53
Description	<p>The VAP is organized for the 5th semester TT students to enhance their skills in the field of objective assessment of fabric texture and aesthetics using digital image processing technique.</p> <p>The VAP also includes the use of MATLAB platform for objective assessment of fabric details.</p>
Outcome	<p>The following outcomes are achieved</p> <p>Students are aware to use objective assessment technique for fabric analysis.</p> <p>Students understood to use the MATLAB.</p> <p>Students understood the principle of measurement of fabric aesthetic.</p>


Course Co-ordinator


Director
The Technological Institute of Textile & Sciences
BHIWANI



Head of Department
Head (Textile Technology)
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Application of Corel Draw and Photoshop in Textile
Session	06-10-2018 to 22-10-2018
Program Coordinator	Dr. Amandeep Kaur & Ms. Shelly Khana
Duration	36 hours
Class	TC, 5th Semester
Participant Count	45
Description	<p>The objective of Application of CorelDraw and Photoshop in textile is to use for fashion designers, garment manufacturers and export houses etc. with functions such as pattern making, visual test fitting, pattern grading, marker making etc.</p> <p>Value added program on " Application of CorelDraw and Photoshop in textile " organized by the Textile Chemistry Department from 6th to 22th, October, 2018 for the students of 3rd Year TC. Dr. Amandeep Kaur & Ms. Shelly Khana were the resource persons for this program. Total 45 students enrolled in the program and 45 students successfully completed the program and received the certificates.</p>
Outcome	<p>The participants were able to learn something innovative and they also find out through this VAP that this process is speed up the process of putting a new model into production and improve the quality of the products, but also reduce material cost and labor intensity.</p>


Dr. Shelly Khana & Dr. Amandeep Kaur
(Program Coordinators)


Mr. D Das
(HOD, Textile Chemistry)
Head of Department
Department of Textile Chemistry
The Technological Institute of Textile & Science
Birla Colony, Bhiwani, Haryana

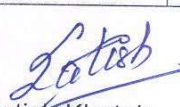

Director
The Technological Institute of Textile & Science
BHIWANI

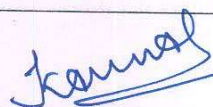


THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	PCB Designing
Session	2018-19
Program Coordinator	Satish Khatak
Duration	32 Hrs
Class	3 rd year
Participant Count	45
Description	A value-added Program on "PCB Designing" is organized by the department of ECE from 8 th July to 15 th July 2018 for the students of 3 rd year and 2 nd year ECE. There were five resource persons in this program. Coordinator of this VAP was Mr. Satish Khatak, Assistant professor in ECE department. 45 students attended this program and all got certificate of attending this VAP.
Outcome	After attending this value added program on "PCB Designing", students able to understand the practical aspects of basic electrical components. Students learnt basic steps of PCB designing like circuit printing on PCB, etching drilling and components mounting on PCB. Students also learnt to test components on PCB.


Mr. Satish Khatak
Program Coordinator


Mr. Kamal Sardana
H.O.D (ECE)

Head of Department
Department of Electronics & Communication Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana


Director
The Technological Institute of Textile & Sciences
BHIWANI



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Various Optimization Techniques and Its Application and scope in present Era
Session	2018-19
Program Coordinator	Mr Prem Sagar
Duration	40 hrs
Class	3rd year Mechanical Engineering students
Participant Count	20
Description	Department of Mechanical engineering organized a VAP on Various Optimization Techniques and Its Application and scope in present Era. This value addition programme aims to provide knowledge about recent trends in Optimization Techniques used in research area. In addition an emphasis has been made to highlight what future work can be carried out in the said field. In total 20 students of 3 rd year Mechanical Engineering took part in the course and department faculty as per their expertise delivered the lecture. It was a 40 hours course divided in one month.
Outcome	Students got to know How Process optimization leads to working more efficiently. How we can eliminate unnecessary steps and automate steps in the process to save time, reduce errors and avoid duplicate work.

Prem Sagar
(Programme Co-ordinator)

Prem Sagar
Director
The Technological Institute of Textile & Sciences
BHIWANI

Prem Sagar
Head of Department
Department of Mechanical Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Bridge Course in Communication Skills
Session	2018-19
Program Coordinator	Dr M K Nanda
Duration	43 hrs
Class	First Year
Participant Count	Admitted 123 Certified 122
Description	<p>The first year of any engineering programme is very crucial in the sense that the students who have just passed higher secondary examination find it difficult to communicate in college environment. It has also been observed that some students either isolate themselves or succumb to pressure of the peerage. Thus, it highly imperative to offer these new joiners some orientation in Communication Skills so that their transition to college life is eased. The Bridge Course in Communication Skills aimed at providing students with skills which would facilitate their day-to-day transactions in their classrooms as well as in different offices. The course facilitated value addition to students' lives beyond routine curriculum in terms of communication and other life skills.</p>
Outcome	<p>The programme exhibited following outcomes:</p> <ol style="list-style-type: none">The students were able to perform daily communicative transaction with ease.The proper grounding in communication skills facilitated better interaction with seniors and thereby minimised behavior-induced ragging.The students were also observed to enter different offices confidently and raised their queriesGood improvement was also observed in verbal and written diction of students on randomly checked occasions


Programme Co-ordinator


Director
The Technological Institute of Textile & Sciences
BHIWANI


HOD

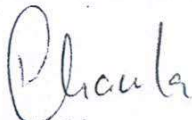
2019-20



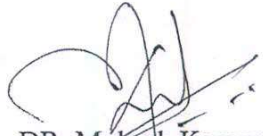
THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Introduction to modern application development
Session	2019-2020
Program Coordinator	Meenakshi
Duration	5 days
Class	3 rd year B.tech –CSE,IT
Participant Count	87
Description	In this modern application development course, students will learn key concepts and step by step methods of building an application from scratch and some important programming languages such as HTML, Java, and MySQL that will help in application development. Some live examples were shown to the students and assignments were given to students for practice. Total 87 students enrolled in workshop and in the last every participant got certificate
Outcome	In this workshop students got knowledge about the programming languages such as HTML, Java, and MySQL that will help in application development. Students created small projects on their own using programming language


Meenakshi
(Program coordinator)


Director
The Technological Institute of Textile & Sciences
BHIWANI


DR. Mukesh Kumar Sharma
(HOD)
Head of Department
Department of Information Technology
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana

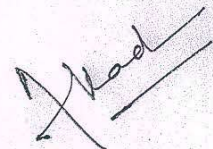



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Linux Certification for System Administration
Session	2019-2020
Program Coordinator	Mr. Ajit Singh
Duration	35 hours
Class	2 nd , 3 rd & 4 th Year CSE & IT Students
Participant Count	120
Description	The objective of the Linux Certification for System Administration was to impart Linux System Administration skill set to the participants which help to meet the increasing demand for Linux administration talent. Apart this also helps to design, install, configure, and manage Linux system.
Outcome	After completing this VAP course, the participants were able to carry the role and responsibilities of a Linux system administrator. The participants were also able to employ, configure and maintain the Linux environment system along with managing security features at various levels. Secure Linux Environment was implemented by participants showcasing their creativity and skill to work in a hostile environment.


Director
The Technological Institute of Textile & Sciences
BHIWANI


Ajit Singh
(Program Coordinator)



Head of Department
Department of Computer Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Art of Natural Coloration
Session	2019-2020
Program Coordinator	Dr. Amandeep Kaur
Duration	36 hours
Class	FAE 4th Year
Participant Count	33
Description	<p>The program was conducted from 08/07/2019-13/07/2019. The number of students registered was 33 from 4th year FAE branch.</p> <p>The objective of VAP was to introduce participants about traditional textiles of India, classification of natural dyes, color extraction process, fabric folding and tying-dyeing techniques and fabric manipulation. The program was concluded with the fashion exhibition. The students successfully completing the course was 32.</p>
Outcome	<p>The participants gained the hands-on experience via practical demonstration of natural colorant sources and showcased the developed products using various learnt techniques in the form of fashion exhibition.</p>


Dr. Amandeep Kaur
Program Co-ordinator


Dr. K.N. Chatterjee
Head of Department

Head of Department
Department of Fashion & Apparel Technology
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



Director
The Technological Institute of Textile & Sciences
BHIWANI



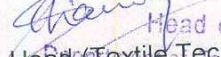
THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Wool Fiber Science
Session	2019-20
Program Coordinator	Dr. Ashvani Goyal
Duration	08-11-2019 to 27-11-2019 and 36 Hours
Class	5 th Semester TT
Participant Count	Enrolled – 42 and Certified-38
Description	<p>The VAP is organized for the 5th semester TT students to enhance their skills in the field of wool fiber science.</p> <p>The VAP also includes the morphology of wool, basics of wool fiber properties and value added products from the wool fiber.</p>
Outcome	<p>The following outcomes are achieved</p> <p>Students are aware of morphology of wool fibers.</p> <p>Students understood the basic properties of wool fibers.</p> <p>Students understood the value added products of wool fibers.</p>


Course Co-ordinator


Director
The Technological Institute of Textile & Sciences
BHIWANI


Head of Department
Head (Textile Technology)
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana

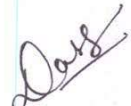


THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	E-Textiles
Session	09-09-2019 to 14-09-2019
Program Coordinator	Mr. S K Malik & Ms. Neha
Duration	30 hours
Class	TC 5th Semester
Participant Count	34
Description	<p>The focus of this new area is on developing the enabling technologies and fabrication techniques for the economical manufacture of large area, flexible, conformable information systems that are expected to have unique application for both the consumer electronics and aerospace & military industries.</p> <p>Value added program on "E-Textiles" organized by the Textile Chemistry Department from 9th to 14th, Sept, 2019 for the students of 3rd Year TC. Mr. S K Malik & Ms. Neha were the resource persons for the program and Mr. S K Malik was the course co-coordinator. Total 34 students enrolled in the program and all students successfully completed the program and received the certificates.</p>
Outcome	<p>The participants were able to learn something new about the applications of E textile in switches, keyboards, mobile phones etc. enhancement of their knowledge through this program take place, they come to know the difference between the conventional vs smart textile.</p>


Mr S K Malik
(Program Coordinators)


Mr. D Das
(HOD, Textile Chemistry)

Head of Department
Department of Textile Chemistry
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana


Director
The Technological Institute of Textile & Sciences
BHIWANI

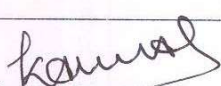



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Basic of Electronics and Embedded System
Session	2019-20
Program Coordinator	Rohit Goel
Duration	32 Hrs
Class	2 nd year
Participant Count	35
Description	<p>A value-added Program on “Basic of Electronics and Embedded System” is organized by the department of ECE from 8th July to 15th July 2019 for the students of 2nd year. There were five resource persons in this program. Coordinator of this VAP was Mr. Rohit Goel. Assistant professor in ECE department. 35 students attended this program and all got certificate of attending this VAP.</p>
Outcome	<p>After attending this value added program on “Basic of Electronics and Embedded System”, students able to understand the practical aspects of sensors and actuators. Students developed the basic projects like water tank alert and alarm alert.</p>


Mr. Rohit Goel
Program Coordinator


Mr. Kamal Sardana
H.O.D (ECE)


Director
The Technological Institute of Textile & Sciences
BHIWANI

Head of Department
Department of Electronics & Communication Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Nano-technology and Its Application and Scope for Future Work
Session	2019-20
Program Coordinator	Dr. Abhay kumar Sharma
Duration	34 hrs
Class	4 th year Mechanical Engineering students
Participant Count	20
Description	Department of Mechanical engineering organized a VAP on Nano-technology and Its Application and Scope for Future Work. This value addition programme aims to provide knowledge about recent trends in nanotechnology. In addition an emphasis has been made to highlight what future work can be carried out in the said field. In total 19 students of 4 th year Mechanical Engineering maintained their attendance during all course. And department faculty as per their expertise delivered the lecture. It was a 34 hours course.
Outcome	Students learned about the numerous prospective benefits for health and the environment offered by nanotechnology. How with engineered nanomaterials can developed for renewable energy capture battery storage, water purification, food packaging, environmental sensors and remediation, as well as greener engineering and manufacturing.

Shay
(Programme - Coordinator)

Shay
Director
The Technological Institute of Textile & Sciences
BHIWANI

Shay
Head of Department
Department of Mechanical Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Communication skills for career progression
Session	Evening 4/11/2019 to 28/11/2019
Program Coordinator	Dr Jasmeet Kaur
Duration	34 hrs
Class	1 st year
Participant Count	100
Description	<p>Value Added Programme on "Communication skills for career progression" organized by Department of Applied sciences & humanities from 4/11/2019 to 28/11/2019 for the students of 1st year with coordination of Dr Jasmeet Kaur. Total 100 students were enrolled and 95 students successfully completed the programme and received the certificate .</p> <p>This course is based on the improvement of communication skill of an individual. It will enhance the capacity to lead and motivate oneself and others. Through this course people will be more receptive to what one say & what one perceives. Effective communication is the process of developing personal communication skills to a level where information can be conveyed efficiently and effectively. It enables an organisation's employees to increase their interaction with corporate and improve teamwork, decision making and problem solving skills.</p>
Outcome	It has focused on language acquisition to achieve & expose the students to a variety of self- instructional learner –friendly modes of language learning. It has trained them to use the basic concept of communication in an organized setup and social context.

Programme Coordinator

HOD

Director
The Technological Institute of Textile & Sciences
BHIWANI

Head of Department
Department of Applied Science & Humanities
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana

2020-21




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Incorporating Universal Human Values in Education
Session	2020-21
Program Coordinator	Dr. Amal Chowdhury
Duration	02-08-2020 to 06-09-2020 and 32 Hours
Class	5 th Semester TT
Participant Count	Enrolled – 57 and Certified-53
Description	<p>The VAP is organized for the 5th semester TT students to enhance their skills in the field of Incorporating Universal Human Values in Education.</p> <p>The VAP is aimed to achieve the full potential in humans. This syllabus is designed as per the NEP 2020.</p>
Outcome	<p>The following outcomes are achieved</p> <p>Students are aware of the values and conduct</p> <p>Students understood to attain the full potential.</p> <p>Students understood the goals of their life and also understand the responsibility to the society.</p>


Course Co-ordinator


Director
The Technological Institute of Textile & Sciences
BHIWANI



Head of Department
Head (Textile Technology)
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Soft Skill Development (Online)
Session	17/5/2020 to 31/5/2020
Program Coordinator	Dr. M.K Nanda & Dr. Jasmeet Kaur
Duration	30 hours
Class	TC 3rd , 5th , 7th Semester
Participant Count	88
Description	<p>Value added program on "Soft Skill Development" organized by the Textile Chemistry Department from 17th to 31st, May, 2020 for the students of 2nd, 3rd and final Year TC. There were 2 resource person and Dr. M.K Nanda & Dr. Jasmeet Kaur were the course co-coordinator for this program. Total 88 students enrolled in the program and 88 students successfully completed the program and received the certificates.</p> <p>The objective of soft skill program was to enhance the communication skills of the students and developing their personality to present the self in everyday life.</p>
Outcome	<p>By the end of the soft skills program, the students should be able to develop effective communication skills (spoken and written) and also develop effective presentation skills.</p>


Dr. M.K Nanda & Dr. Jasmeet Kaur
(Program Coordinators)




Mr. S.K. Malik
(HOD, Textile Chemistry)

Head of Department
Department of Textile Chemistry
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



Director
The Technological Institute of Textile & Sciences
BHIWANI




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Cryptography
Session	July 2020 – June 2021
Program Coordinator	Akhil Kaushik
Duration	32 hours
Class	3 rd , 5 th and 7 th Semesters
Participant Count	153
Description	The Value-Added Programme (VAP) enlightens the students of 3 rd , 5 th and 7 th semester students about the cryptography and information security domain. The topics included introduction to Cryptography, its history, OTPs, stream ciphers, block ciphers, classic algorithms like DES, RSA, MACs, Key-exchange algorithms, and DNA cryptography.
Outcome	The students learnt all the basic and advanced topics covered under the cryptography domain. All the theoretical and practical contents were covered thoroughly.


Akhil Kaushik
(Program Coordinator)


Head of Department
Department of Computer Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana


Director
The Technological Institute of Textile & Sciences
BHIWANI



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section'2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Animation using flash and photoshop
Session	2020-2021
Program Coordinator	Ms Archana Singh Parmar
Duration	32 hours
Class	2 nd and 3 rd years students of CSE and IT
Participant Count	153
Description	In this workshop, we taught the basics of animation with the different techniques of animations then we learn about the Photoshop and the tools of Photoshop, hand on practice to edit the different photos, and create effective posters using Photoshop. After that all about the flash basics was there to create the animation. Live examples were shown to students and some projects were given to students for practice. Total 153 students enrolled in workshop. And in the end of workshop all 153 students received the certificate in presence of all speakers.
Outcome	In this workshop, students got the basic knowledge about the animation, and detailed knowledge about the tools of Photoshop. Students created small animations on their own using flash software.

Ms. Archana Singh Parmar
(Program coordinator)

Dr. Mukesh Kumar
(H.O.D.)

Director
The Technological Institute of Textile & Sciences
BHIWANI

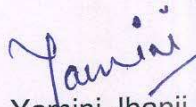
Head of Department
Department of Information Technology
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana




THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Contemporary Jewellery Design
Session	2020-2021
Program Coordinator	Dr Yamini Jhanji
Duration	38 hours
Class	FAE 2 nd & 3 rd Year
Participant Count	82
Description	<p>The program was conducted from 27-07-2020 to 03-08-20 with the participant count of 82 from 2nd & 3rd year FAE students.</p> <p>The objective of Contemporary Jewellery Design program was to impart designing skills pertaining to jewellery design and development along with identification of raw materials and assembling techniques for jewellery. Varied jewellery styles to match the likes of millennials and professional females were developed by participants showcasing their creativity and design skills.</p> <p>The program was successfully completed by 82 students by the organization of jewelry exhibition.</p>
Outcome	<p>The participants were able to identify and create various jewellery styles using a range of textile and non-textile materials. The participants were able to express their creativity and design aspirations through physical prototype of jewellery. Varied jewellery styles to match the likes of millennials and professional females were developed by participants showcasing their creativity and design skills.</p>


Dr. Yamini Jhanji
Program Co-ordinator


Dr. K.N. Chatterjee
Head of Department


Director
The Technological Institute of Textile & Sciences
BHIWANI


Head of Department
Department of Fashion & Apparel Engineering
The Technological Institute of Textile & Sciences
BHIWANI

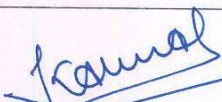


THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Antenna Design for Advance Communication
Session	2020-21
Program Coordinator	Ritu Yadav
Duration	32 Hrs
Class	3 rd and 2 nd year ECE and CSE
Participant Count	35
Description	A value-added Program on "Antenna Design for Advance Communication" is organized by the department of ECE from 1 st October 2020- 8 th October 2020 for the students of 3 rd and 2 nd year of ECE and CSE branch. There were four resource persons in this program. Coordinator of this VAP was Ms. Ritu Yadav, Assistant professor in ECE department. 35 students attended this program and all got certificate of attending this VAP.
Outcome	After attending this value added program on "Antenna Design for Advance Communication", students able to understand concept of electromagnetic waves and antenna. Students able to find out basic process of finding dimension of an antenna. Simulation tool CST microwave and HFSS is also discussed.


Mr. Ritu Yadav
Program Coordinator


Mr. Kamal Sardana
H.O.D (ECE)

Head of Department
Department of Electronics & Communication Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana


Director
The Technological Institute of Textile & Sciences
Bhiwani



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Aptitude, Verbal, Non Verbal Reasoning and interview skills
Session	2020-21
Program Coordinator	Mr. Mukesh
Duration	32 hrs
Class	4 th year Mechanical students
Participant Count	20
Description	Department of Mechanical engineering organized a VAP on Aptitude, Verbal, Non Verbal Reasoning and interview skills. This value addition programme aims to enhance interview skills of final year mechanical engineering students. In addition an emphasis has been given to uplift their aptitude and non verbal skills. It was a 32 hours course. In total 20 students of mechanical final year took part in the course and department faculty as per their expertise delivered the lecture.
Outcome	Students learned about their perfect Choice to encounter situations when they are Unsure of their Future. Also it helped them to understand Better Knowledge of their Strengths and Weaknesses.

Mukesh
Programme Co-ordinator

[Signature]
Director
The Technological Institute of Textile & Sciences
BHIWANI

[Signature]
Head of Department
Department of Mechanical Engineering
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Life skills curriculum
Session	Evening 15-1-21 ----10-2-21
Program Coordinator	Dr Jasmeet Kaur
Duration	34 hrs
Class	1 st year
Participant Count	80
Description	<p>Value Added Programme on "Life skills curriculum" organized by Department of Applied sciences & humanities from 15-1-21 ----10-2-21 for the students of 1st year with coordination of Dr Jasmeet Kaur. Total 80 students were enrolled and 76 students successfully completed the programme and received the certificates.</p> <p>This course will reflect upon the abilities ,that enable humans to deal effectively with the demands and challenges of life. It includes psychosocial skills & its behavioral process. It also involves being able to think in multiple solutions to a given problem &helps in dealing with emotions in stability.</p>
Outcome	It has aimed openness to experience to describe individuals degree of intellectual curiosity, creativity & appreciation for art ,emotions etc. it results as the extent to an individual imagination and depicts a personal preference for a variety of activities over a strict routine.

Programme Coordinator

HOD

Head of Department
Department of Applied Science & Humanities
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani, Haryana

Director
The Technological Institute of Textile & Sciences
BHIWANI



THE TECHNOLOGICAL INSTITUTE OF TEXTILE & SCIENCES

Under UGC Section 2 (f) & 12 (B)
Estd. in 1943 by Padma Vibhushan Dr. G.D. Birla

VAP Summary	
VAP Title	Right to Information
Session	2020-21
Program Coordinator	Ms. Monika Sharma & Ms. Charu Mani
Duration	32 Hrs
Class	BBA I st semester
Participant Count	38
Description	<p>Day1: Introduction of Right to Information Act 2005: History, Background, Objectives, Preamble to Right to Information Act 2000. Right to Information Regime in India: a tool in the hands of the citizen.</p> <p>Day2: The Central Information Commission: Constitutions, Eligibility criteria and Process of Appointment.</p> <p>Day3: The State Information Commission: Constitutions, Eligibility Criteria and process of appointment.</p> <p>Day4: The State Information Commission: Term of office and condition of services, Removal of Informational Commissioner.</p> <p>Day5: Breach of Confidentiality and Privacy: The Indian perspective an 'offence' under the Indian Information Technologies Act 2000.</p> <p>Day6: Using the RTI Act to get "Information"-The Filing of the Request for obtaining Information.</p> <p>Day7: Feedback by the students and sharing of their views.</p> <p>Day8: Valedictory Session and Assessment</p>
Outcome	This VAP programme increases the understanding of students regarding the Right to Information Act and its various features so that student should know how to practice their right to information and safeguard their interest legally and morally. This information empowers students to save themselves from any sort of discrimination they face in their lives. With the help of this information they protect not only themselves but also other human being in the society.

Ms. Sharma
(Monika Sharma)

(Program Coordinator)

Director
The Technological Institute of Textile & Sciences
BHIWANI

Head
Deptt. of Management Studies
The Technological Institute of Textile & Sciences
Birla Colony, Bhiwani (H.O.D.)