

BITS & BYTES

VOLUME 4 ISSUE 2
JULY - DECEMBER 2020

COMPUTER SCIENCE
DEPARTMENT

E-NEWSLETTER

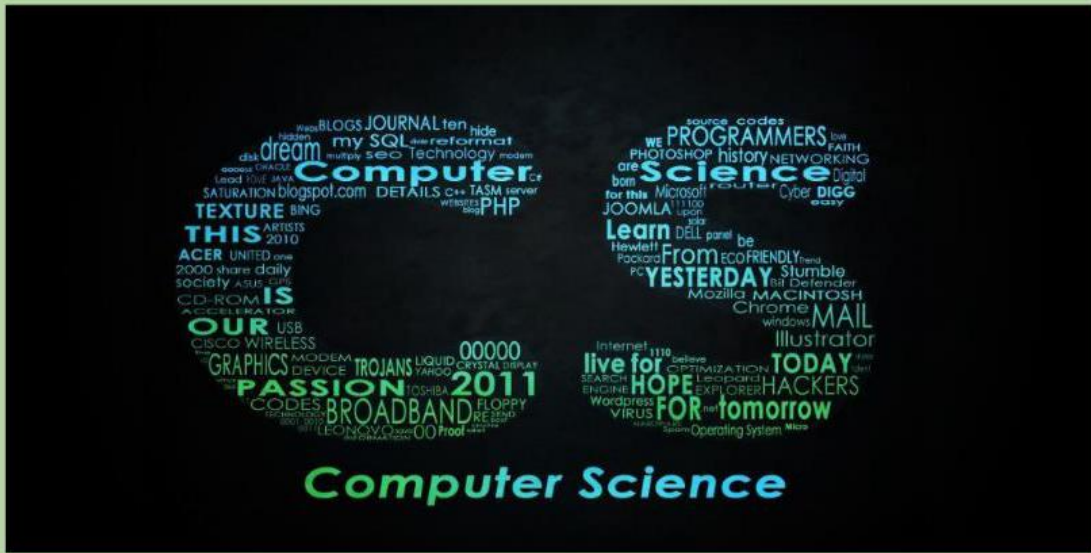
VISION OF COMPUTER SCIENCE & ENGINEERING DEPARTMENT

To nurture the students to become employable graduates who can provide solutions to the societal issues through ICT

MISSION OF COMPUTER SCIENCE & ENGINEERING DEPARTMENT

- To focus on practical approach towards learning and exposing the students on the latest ICT technologies.
- To foster logical thinking among the students to solve real time problems using innovative approaches.
- To provide state-of-the-art resources that contributes to inculcate ethical and life-long learning environment.

ABOUT DEPARTMENT



Computer Science Department

Computer Science and Engineering is the soul and psyche of many engineering branches. These fields are instrumental in bringing the world to where it is today. To evolve as a center of high repute in Computer Science & Engineering and create computer software professionals trained on problem-solving skills imbued with ethics to serve the ever-evolving and emerging requirements of the IT Industry and society at large. To produce Computer Science graduates who, trained in the design and implementation of computational systems through competitive curriculum and research in collaboration with industry and research organizations.

The main strength of the department is the dedicated band of qualified faculty members, offering a harmonious blend of industrial and academic experience. In addition to classroom teaching, the students are exposed to technical seminars and workshops, invited talks from reputed industry experts, and soft skills development programs. The department is equipped with excellent infrastructure and various state-of-the-art laboratories.

DIRECTOR'S DESK



Dr. Vikas Misra

Director, Geetanjali Institute of Technical Studies,
Udaipur

I am very happy that the Computer Science and Engineering Department is releasing the Volume 4 Issue 2 of 'Bits & Bytes' E-Newsletter (CSE) as a forerunner of department activities.

We at Geetanjali Institute of Technical Studies uphold the ethos and values interacted with the science, knowledge, and technology of western education leading to the creation of students who could perform under any circumstances.

I ensure to highlight the potential of each individual student and prepare them to cope up with the high level of performance in the contemporary stressful corporate world. We inculcate in the students the habit of lateral and innovative thinking, reading habit, research orientation, decision making capability along with nurturing and developing physical and mental strength to sustain and excel under any situation. Our faculty members are young and enrich corporate world experience backed by excellent academic expertise. A highly dedicated effort is made by the entire Institute's students and faculty to assist students in getting a good job as well as guiding and helping those students who want to be entrepreneurs.

The GITS Family is an over increasing family and I feel proud to be a part of it. Congratulations to all the students who have excelled in various fields and good luck to those who are on their way to achieving success. Finally, I would like to conclude my message with a quotation from Swami Vivekananda's saying – "We want that education by which character is formed, the strength of mind is increased, the intellect is expanded and by which one can stand on one's own feet".

DIRECTOR(IQAC) DESK



Dr. Sudhakar Jindal

Director(IQAC), Geetanjali Institute of Technical Studies,
Udaipur

I am elated to know that the Computer Science and Engineering Department of Geetanjali Institute of Technical Studies is releasing the Volume 4 Issue 2 of 'Bits & Bytes' E-Newsletter(CSE) as a forerunner of departmental activities. Indeed such initiatives will help the department towards being a leader in making efforts for the overall development of students.

We have to recognize the importance of offering a high-quality education providing a substantial professional foundation for students who can progress with their studies, as well as making new acquaintances in the professional career.

It is truly said that hard work is the key to success, but hard work accompanied by smart work is the key to excellence in the present world. As a quality initiative, we provide full support to the students for improving communication skills, critical thinking abilities, moral values, and sense of responsibility towards the society.

The recognition of any Institute lies in the quality of values it delivers to the rest of the world. With never giving up attitude and perseverance, we are confident that you will attain the success and the rewards that you dreamt of.

Once again I congratulate the faculty and students of the department for bringing out another issue of the eNews letter.

HOD'S DESK



Dr. Mayank Patel

HOD, Department of Computer Science and Engineering

It is a great honor for me to introduce our Department of Computer Science and Engineering to you all. Leading the Department of Computer Science and Engineering in GITS, which is one of the best an institution in the region due to our focused approach towards holistic growth of every student, gives me enormous pleasure.

The primary focus of our curriculum is to impart technical know-how to students, promote their problem-solving skills and innovation of new technologies. The students are encouraged to undertake various research projects. Our department has a distinguished record in both teaching and research. Faculty members have excellent academic credentials and are highly regarded.

Our Department consists of various laboratories equipped with the new technological setups giving the scope to all students having a hands-on experience individually, which will increase their confidence to face the practical problems in the field of Computer Science Engineering.

We continue to play a leading role in our discipline which leads us towards creating an innovative and effective professional graduate community that would be vivacious and provide continuous learning.

We provide opportunities for students to participate in various technical and sports events or competitions. This newsletter is an attempt to highlight the achievements of the department, despite space constraints we have showcased the best and look forward to having more in the future on quarterly editions.

We believe that our students have been well accepted in their job profiles and have consistently exceeded expectations of the corporate world.

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VEER BHADRA SINGH SOLANKI (III Year, CSE)

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WEBINARS

WOMEN EMPOWERMENT IN IT SECTOR

(25th July 2020, 9:30 AM-11:30 AM)

The webinar was organized by the CSE Student club, GITS. This webinar was organized to make aware the Girl students and female faculty about women empowerment.

The Event Coordinator was Ms. Ruchi Vyas and the Resource person was Ms. Sonia Keswani. There were a total number of 90 participants in the event.



Poster for the webinar.

Inaugural Session:

In the inaugural session following were present:

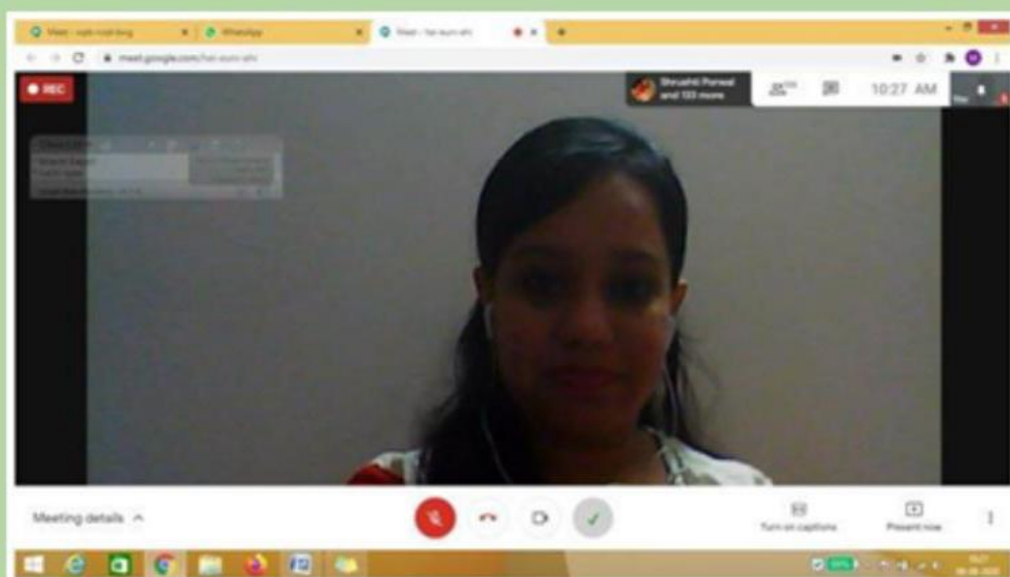
Dr. Vikas Misra, Director, GITS

Dr. Mayank Patel, HOD CSE, GITS

Ms. Ruchi Vyas, Faculty Co-ordinator, CSE Student Club

Ms. Sonia Keswani, Guest

The program was inaugurated by Ms. Shipra Sharma, Asst. Professor by welcoming all the cherished dignitaries and participants. In welcome speech Prof. (Dr.) Vikas Misra, Director(GITS) shared his views with the participants that if they want to develop themselves, then attending such webinars would empower girls in the IT sector. Dr. Mayank Patel, HoD, GITS welcomed our eminent speaker Ms. Sonia Keswani and brief the importance of women empowerment.



Webinar Brief:

The student club of the Department of Computer Science and Engineering at Geetanjali Institute of Technical Studies, Udaipur organized a webinar on “Women Empowerment in IT Sector”. The keynote speaker was Ms. Sonia Keswani Manager at Secure Meters Ltd. and Post Area Director Toastmasters International. The session was very interactive and relevant. There were more than 100 girl students who attended this webinar. The webinar was initiated by Dr. Vikas Misra, Director GITS, and Dr. Mayank Patel, HoD, CSE. The session focused on gender equality, opportunities for women, involvement in decision-making policies. Ms. Sonia Keswani encouraged girl candidates to have faith and believe in themselves. She motivated them about how to grab opportunities and achieve their goals.

Valedictory Session:

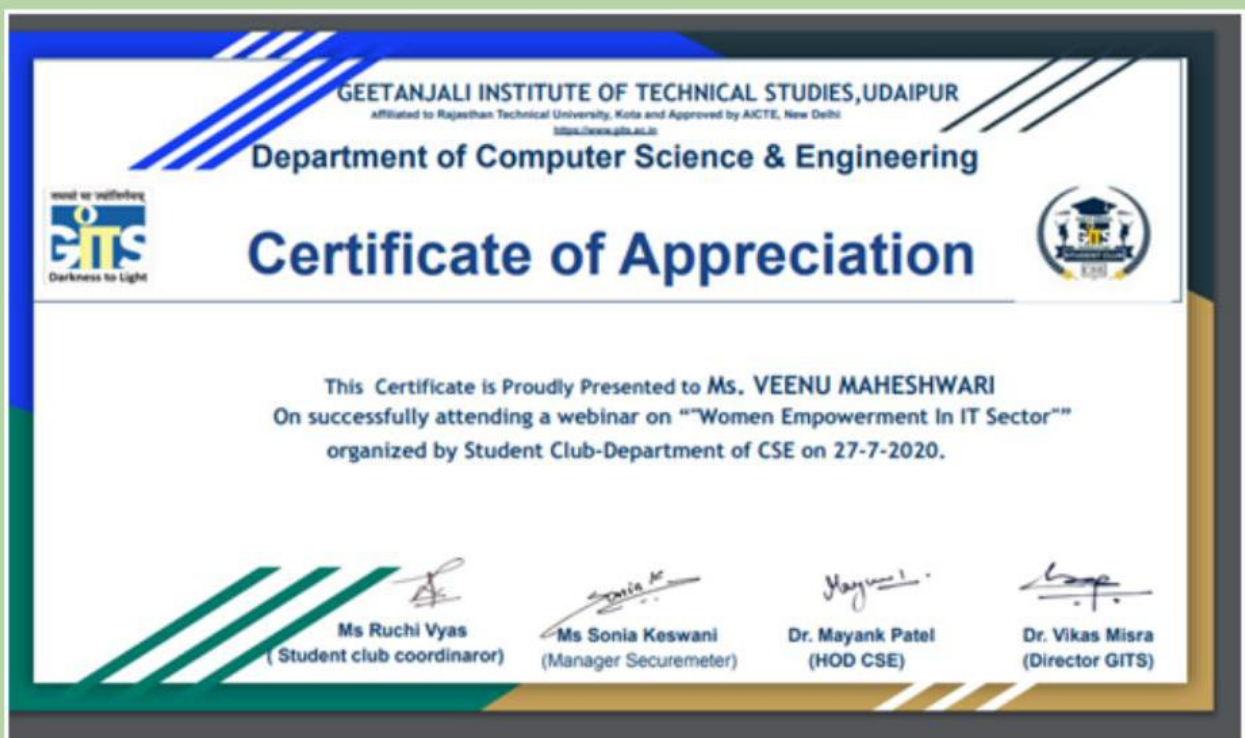
Receiving an overwhelming response from participants, the webinar came to an end with a valedictory session, graced by Dr. Vikas Misra, Director, GITS.

All participants appreciated the department for organizing such type of webinars. The program was ended with a vote of thanks by Ms. Ruchi Vyas.

Outcome:

After this lecture, the audience will be able to know about their rights and how to deal with situations where gender inequality is being and how to fight for their rights.

Sample Certificate:



Certificate

DEEP LEARNING BASED SECURITY SOLUTIONS FOR THE INTERNET OF MEDICAL THINGS

(08th August 2020, 9:30 AM-11:30 AM)

This webinar was organized to make aware the students of the application of Deep Learning on the Internet of Medical Things. The event was organized by the CSE student club.

The resource person for the Webinar was Dr. Heena Rathore, Assistant professor, University of Texas, USA. And the event was coordinated by Ms. Ruchi Vyas. There were a total number of 130 participants in the webinar.



Poster for the webinar.

Inaugural Session:

In the inaugural session following were present.

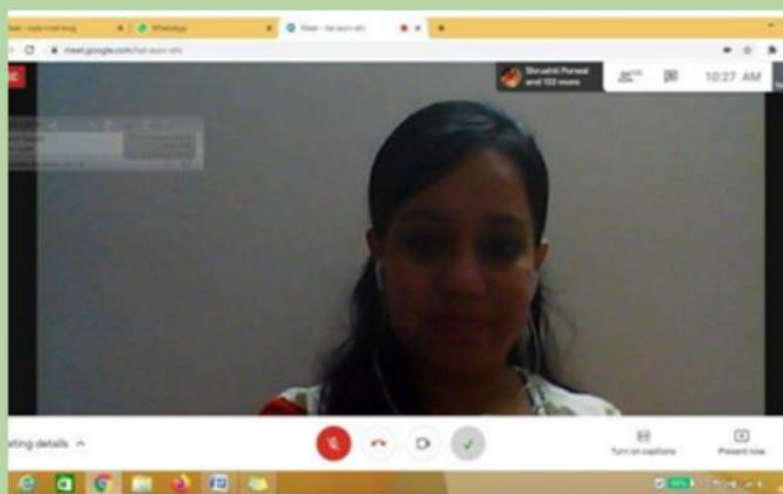
Dr.Vikas Misra, Director, GITS

Dr.Mayank Patel, HoD CSE, GITS

Ms.Ruchi Vyas, Faculty Co-ordinator, CSE Student Club

Dr.Heena Rathore, Guest

The program was inaugurated by Ms. Shipra Sharma, Asst. Professor by welcoming all the cherished dignitaries and participants. In welcome speech Prof. (Dr.) Vikas Misra, Director(GITS) shared his views with the participants that if they want to develop themselves, then attending such webinars would enhance their technical skills. Dr. Mayank Patel, HoD, GITS welcomed our eminent speakers Dr. Heena Rathore and brief the importance of Deep Learning and its application in IoT.



Webinar Brief:

Intelligent healthcare has gained importance in the recent past since it allows continuous, remote monitoring of patients away from hospitals and doctors. With advances in technology, doctors now can improve the quality of medical service for their patients through a surgical methodology that includes implantable embedded medical devices. The addition of connectivity to such devices is the key enabling technology. Devices are now connected and to the World Wide Web (internet), which leads to the use of the term Internet of Medical Things. To enable this, medical devices now have Wi-Fi/Cellular chips on them so that they can talk to each other, in addition to the traditional roles of sensing and actuating. However, on the other end, the addition of connectivity and computing platforms now makes these devices more prone to hacking.

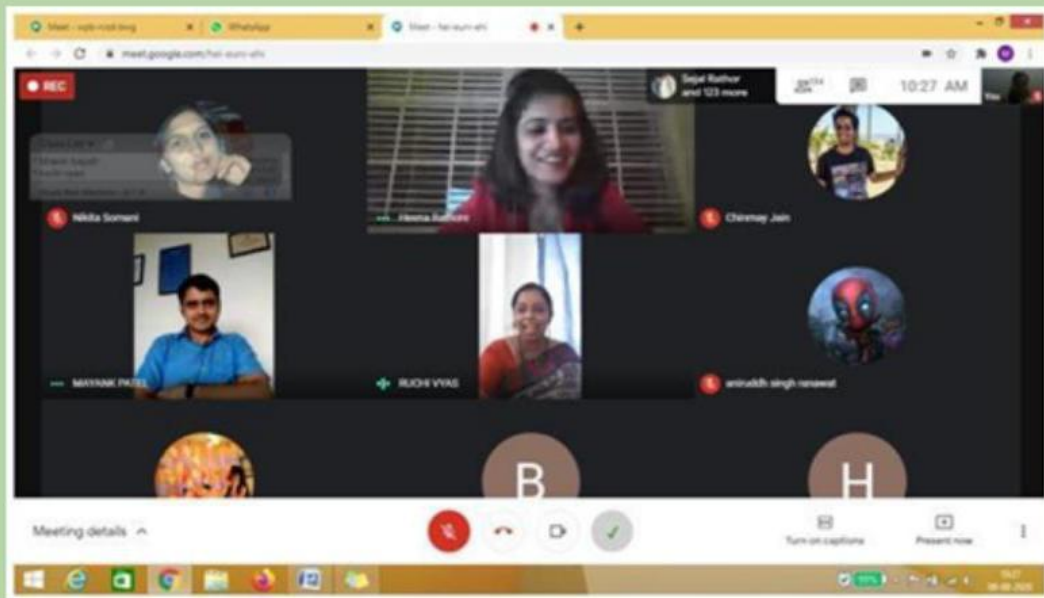
This talk focuses on how deep learning techniques can be utilized to make these devices secure. This talk covered different problems of security ranging between internal to communication attacks such as authentication, classification, prediction on implantable medical devices such as insulin pump

implants, deep brain stimulators, and cardiac defibrillators. This talk covered efficient techniques, such as multi-layer perceptron neural networks, recurrent neural networks, etc. to overcome these problems. This talk also discussed how these algorithms can be implemented on the node or on the edge to enable real-time decision making.



Valedictory Session:

Receiving an overwhelming response from participants, the webinar came to an end with a valedictory session, graced by Dr.Vikas Misra, Director, GITS. Ms. Ruchi Vyas Event coordinator summarized the outcomes of the webinar. All participants appreciated the department for organizing such type of webinars. The program ended with a vote of thanks by Dr.Mayank Patel, HOD, CSE.



Outcome:

After this lecture, the audience will be able to apply deep learning techniques to make medical devices secure from unauthorized access. They learned the tools to compare different types of techniques and also a working understanding of how to implement such algorithms on embedded processors.

Sample Certificate:



Certificate



TRAININGS

PROBLEM SOLVING & PROGRAMMING IN PYTHON

(24th – 30th, July 2020)




This event was organized by the Department of Computer Science, GITS, Udaipur & CSI, Udaipur Chapter. The objectives of these Six days of STTP were to provide hands-on experience in python programming. The STTP provided an insight into the concepts of Python which is a widely used general-purpose, and high-level programming language. It is mainly developed for emphasis on code readability, and its syntax allows programmers to express concepts in fewer lines of code. 'Python Data Types', 'Operators', 'Input and Output', 'Flow Control', 'Functions and File Handling' are few topics dealt with during the program.

The event coordinator was Mr. Jitendra Sharma, Asst. Prof. CSE and The resource person for the program was Mr. Ritesh Kumar Jain, Assistant Professor, GITS, Udaipur.



Poster for the training.

Schedule:

STTP on Problem Solving and Programming in Python		
24 th – 30 th July 2020		
  		
<u>Schedule</u>		
Date	Session	
	1:30 PM to 2:00 PM	2:00 PM to 3:30 PM
24 July 2020	Inauguration Ceremony	Python Session : Build the logic and write programs in Python, basic Data Types, Keyword, Identifier, Standard input/output, Variables
25 July 2020	1:30 PM to 3:30 PM	
	Python Session : operators, control flow, expressions, and error handling, Branching Constructs,	
27 July 2020	1:30 PM to 3:30 PM	
	Python Session : Conditionals and Boolean expressions, Making Repetitions: Iteration, looping and control flow	
28 July 2020	1:30 PM to 3:30 PM	
	Python Session : Lists, Tuples, Sets, Dictionaries, Strings, String methods and formatting	
29 July 2020	1:30 PM to 3:30 PM	
	Python Session : Functions: Types, Function arguments, parameter passing, scope, Recursive functions	
30 July 2020	1:30 PM to 3:00 PM	3:00 PM to 3:30 PM
	Python Session : File Management: File Handling, Exception Handling, Debugging in Python	Valedictory Ceremony

Schedule for the training.

Inaugural Session:

In the inaugural session, the following dignitaries were present:

1. Dr. Vikas Misra, Director, GITS
2. Dr. Mayank Patel, HoD CSE, GITS
3. Mr. Ram Krishna Vyas, President, CSI
4. Prof. A. K. Nayak, Former President, CSI
5. Dr. Paras Kothari, President, CSI, Udaipur Chapter
6. Dr. Navneet Agarwal, Hony. Secretary, CSI, Udaipur Chapter
7. Mr. Ritesh Kumar Jain, Resource Person

The program was inaugurated by Ms. Shipra Sharma, Asst. Professor by welcoming all the cherished dignitaries and participants. In welcome speech Prof. (Dr.) Vikas Misra, Director(GITS) shared his views with the participants that if they want to develop themselves, then attending such STTP would enhance their technical skills.

Mr. Ram Krishna Vyas, President, CSI gave his valuable words & his views with the participants about how python is very useful in now a day in various technologies. Prof. A. K. Nayak, Former President, CSI, shared his views with the participants on how python is used in machine learning, artificial intelligence tec. Dr. Mayank Patel, HoD, GITS welcome all the guests.



Mr. Ram Krishna Vyas,
President, CSI

Prof. A. K. Nayak,
Former President, CSI



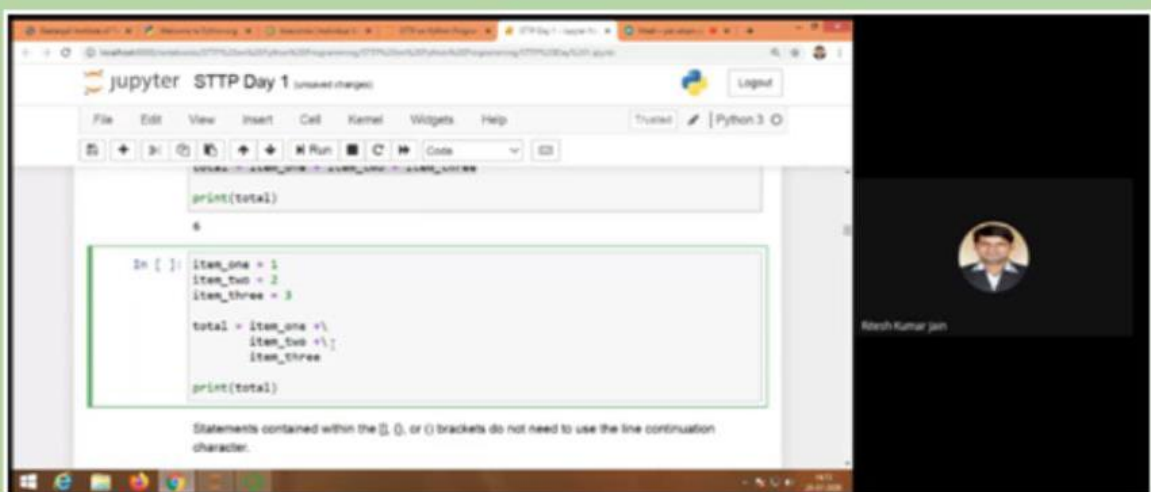
Dr. Paras Kothari,
President, CSI,
Udaipur Chapter





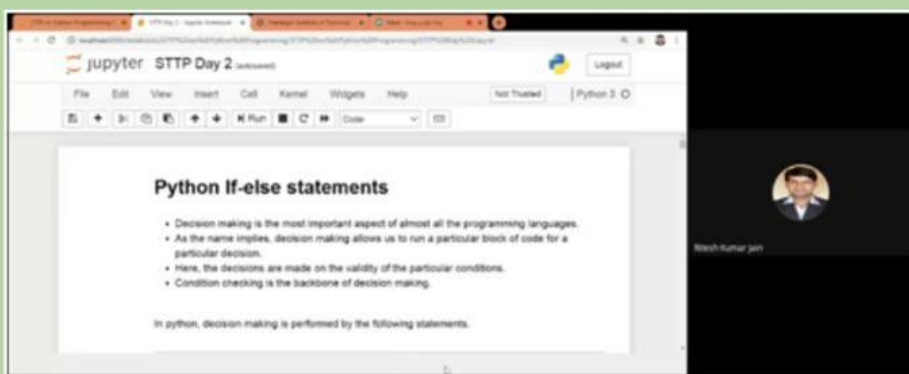
Day 1:

The resource person explained the topics of python with the hands-on practical on Jupyter Notebook. On the first day of STTP, the resource person told us about how to build the logic and write programs in Python, explained the basic Data Types, Keyword, Identifier, Standard input/output, Variables.



Day 2:

On the second day of STTP, the resource person explained the various types of operators used in python, control flow statements like if, if-else, for, while, expressions, and error handling, Branching Constructs with hand on practical on Jupyter notebook.



Day 3:

On the third day of STTP, the resource person explained the Conditionals and Boolean expressions, Making Repetitions: Iteration, looping, Strings, String methods, and formatting with hand on practical on Jupyter notebook.



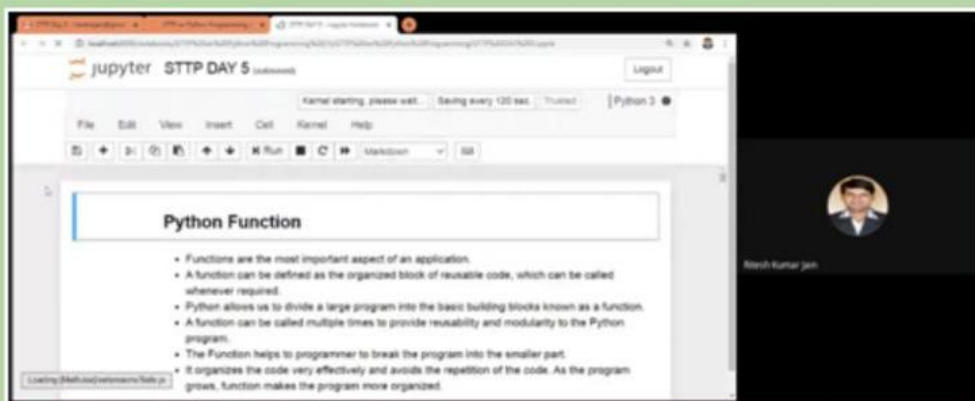
Day 4:

On the fourth day of STTP, the resource person explained the python Lists, Tuples, Sets, Dictionaries with hands-on practical on Jupyter notebook.



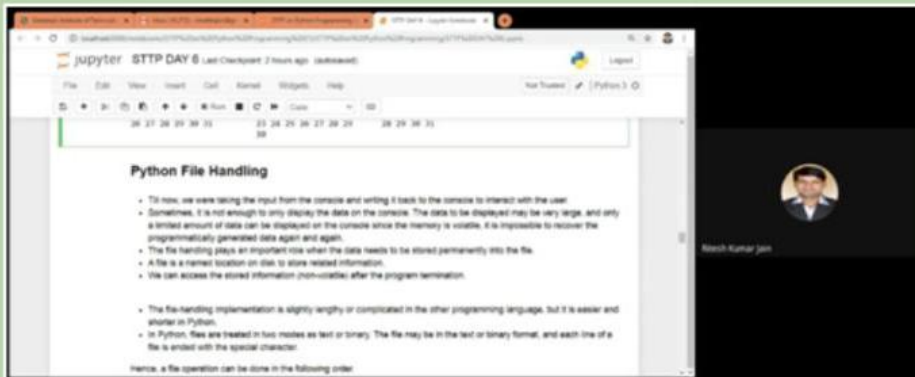
Day 5:

On the fifth day of STTP, the resource person explained the Types of functions, Function arguments, parameter passing, scope, Recursive functions with hands-on practice in the Jupyter notebook.



Day 6:

On the sixth day of STTP, the resource person explained about File Handling, Exception Handling, Debugging in Python with hand on practical on Jupyter notebook.



Valedictory Session:

Receiving an overwhelming response from participants, STTP came to an end with a valedictory session, graced by Dr.VikasMisra, Director, GITS. All participants appreciated the department for organizing such type of STTP. The program ended with a vote of thanks by Dr.Mayank Patel, HOD, CSE.

Outcome:

The visible outcome of the STTP was the participants' acquaintances with an exploration of python's Programming concepts and widely used packages in the industry. The overall satisfaction level of the faculty members & Students is high with very good feedback.

- Design real-life situational problems and think creatively about the solution to them.
- Apply a solution clearly and accurately in a program using python.
- Apply the best features of mathematics, engineering, and natural sciences to program real-life problems.

Brochure:

Organizing Members

- Mr. Ajay Kumar Sharma
- Ms. Ruchi Vyas
- Mr. Girish Kumar Ameta
- Mr. Jitendra Sharma
- Ms. Charu Khandelwal
- Ms. Shruuti Porwal
- Mr. Bhupendra Teli
- Mr. Abhishek Gupta
- Mr. Vishal Jain
- Ms. Nikita Sonani
- Ms. Shipra Sharma
- Ms. Raksha Shrivastava

Registration

Registration Fee: 100/-
<https://forms.gle/UR2wZ4sH0e0yUWA>

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<https://chat.whatsapp.com/CJ7CnH9A6rDUe8ByPKU2b>

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HOD/Associate Professor,
Department of CSE

Former President, CSI, Udaipur Chapter
Dr. Bharati Singh Deora

Coordinator
Mr. Jitendra Sharma
Department of CSE
jitendra.sharma@gits.ac.in

Honorary Guest From CSI
Mr. Ram Krishna Vyas, President, CSI
Prof. Vipin Tyagi, Hon. Secretary, CSI
Prof. A.K. Nayak, Former President, CSI
Dr. Paras Kothari, President, CSI, Udaipur Chapter
Dr. Navneet Agarwal
Hon. Secretary, President, CSI, Udaipur Chapter

STTP on Problem Solving and Programming in Python
3rd - 5th July 2020

python

Organized by:
GITS
Udaipur Chapter
Department of Computer Science & Engineering
GEETANJALI INSTITUTE OF TECHNICAL STUDIES
N/A, 75, Airport Road, Udaipur (Raj.) 313022
www.gits.ac.in

*STTP will be in offline & online mode

About The Institute

The Geetanjali Institute of Technical Studies, popularly known as GITs was established by the Geetanjali Education Society in the year 2002-2003, approved by AICTE and affiliated to Rajasthan Technical University, Kota to provide Technical & Professional education to the youth in general and tribal people of the region. The endeavour of the GITs is to make higher education in the region more accessible and affordable to the economically weaker sections and the rural students and to create employment through higher education. It is one of the well-known Institute of Rajasthan, with the focused objective of the group to provide quality professional education to the youth in the areas of Engineering, Management, Computer Applications, Medical, Nursing, Pharmacy, Physiotherapy, etc., ensuring their all-round well integrated development in compliance with requisite industry standards.

About The Department

The mission of CSE department is to continuously strive for achieving excellence in logical thinking and computing disciplines. It is being pursued through its spectrum of academic and custom designed value-added programs. The sustained effort is to produce graduates with potential

to design and develop systems involving the integration of software and hardware devices; innovative approaches to programming and problem solving as well as creative ways to use technology. The CSE department has well qualified faculty members with all of them having Ph.D. & M.Tech. Apart from the regular classroom teaching, the department invites visiting professors, distinguished professionals from industry and eminent researchers at regular intervals to expose the students about the industry best practices. The Department is recognized as a PhD Research Centre under RTU, Kota.

About CSI

The seed for the Computer Society of India (CSI) was first shown in the year 1965 with a handful of IT enthusiasts who were a computer user group and felt the need to organize their activities. They also wanted to share their knowledge and exchange ideas on what they felt was a fast emerging sector. Today the CSI takes pride in being the largest and most professionally managed association of and for IT professionals in India. The purposes of the Society are scientific and educational directed towards the advancement of the theory and practice of computer science and IT.

Contents of STTP

- Introduction to Python : Build the logic and write programs in Python : basic Data Types, Keyword, Identifier, Standard input/output, Variables, operators, control flow, expressions, files, functions, and error handling
- Selection and Branching: Branching Constructs, Conditionals and Boolean expressions, Making Repetitions: Iteration, looping and control flow
- Collection of Data Sequences: Lists, Tuples, Sets, Dictionaries, Strings, String methods and formatting
- Functions: Types, function arguments, parameter passing, scope, Recursive functions
- File Management: File Handling, Exception Handling, Debugging in Python.

Resource Person:
Mr. NITESH KUMAR JAIN
Assistant Professor
Department of CSE, GITs, Udaipur



Sample Certificate:





FACULTY DEVELOPMENT PROGRAMMES

MACHINE LEARNING AND ITS ASPECTS

(23rd – 25th August 2020)

The three days FDP on machine learning was organized by the Department of Computer Science, RTU, Kota, TEQIP-III. Resource persons for the FDP were Dr. Ashish Tripathi from MNIT Jaipur, Dr. Mukesh Saraswat from JIIT NOIDA, and Dr. Kusum Kumari Bharti from IIITDM Jabalpur.

Mr. Jitendra Sharma and Mr. Ritesh Kumar Jain (Asst. Professor, CSE) were the Event Coordinators for the same. The program aimed to introduce the fundamentals of machine learning techniques. However, FDP Training was based on real-time applications. Overall, the FDP ML served to be a great platform for faculty and researchers.



Poster For Machine Learning and Its Aspects

Three days of FDP Machine Learning training provided a close summary of Machine Learning topics such as exploitation period of time information, making algorithms exploitation to evaluate different cubic centimeter techniques, Regression, Classification, and statistic Modelling. This Machine Learning training covered the foremost fashionable and widely used Deep Learning technologies and their applications, further as language process, thus, paving the means for a solid foundation of Machine Learning.

Machine learning is the science of getting computers to act without being explicitly programmed. The objective of this FDP was to present recent trends and applications of machine learning. This area is of utmost importance as there is a significant and growing demand for professionals and researchers in businesses, public agencies, and non-profits organizations. This FDP provided participants with the guidelines to explore the area of machine learning and its application. There was a total of 30 participants who participated in this FDP and reviewed certificates.

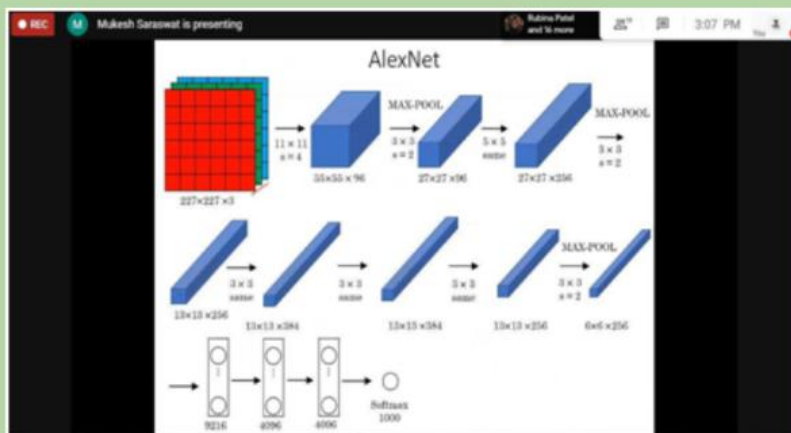
The program was inaugurated by Ms. Shipra Sharma, Assistant Professor by welcoming all the cherished dignitaries and participants. In welcome speech Prof.(Dr.) Vikas Misra, Director(GITS) shared his views with the participants, that how this kind of government-funded Faculty development program has to boost up the knowledge of participants, it will also enhance their technical skills, and he also said that in today's world all the problems are solving using machine learning and deep learning and by implementing it, it will change our daily work.



Welcome speech by Prof.(Dr.) Vikas Misra, Director(GITS)

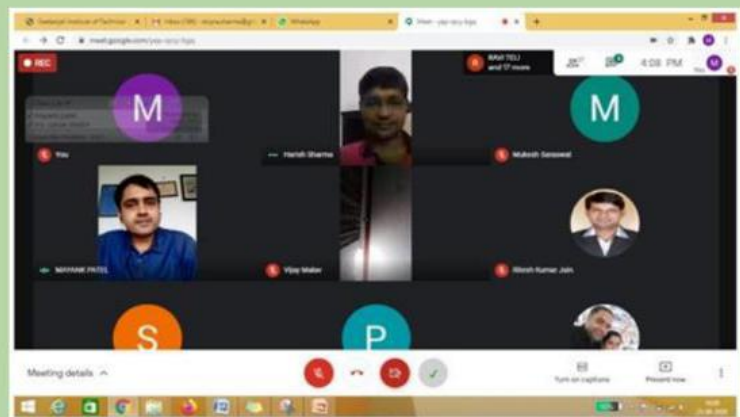
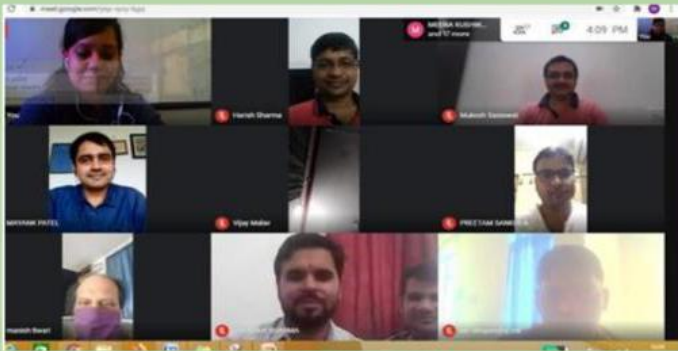
Dr. Mayank Patel, HoD, GITS welcome our eminent speakers Dr. Ashish Tripathi, MNIT Jaipur, Dr. Mukesh Saraswat, Dr. Kusum Kumari Bharti, IIITDM, Jabalpur, Dr. Harish Sharma, Professor RTU, Kota and brief the importance of Machine learning and Deep Learning and its aspects in

daily life and how this technology will change the world in terms of technology and work culture.



Valedictory Session:

Receiving an overwhelming response from participants, this FDP came to an end with a valedictory session, graced by Dr.Vikas Misra, Director, GITS. All participants appreciated the department for organizing such type of faculty development program. Dr. Harsih Sharma (RTU, Coordinator) thanks the speakers and college for organizing and provide all support for organizing the FDP's The program was ended with a vote of thanks by Dr. Mayank Patel (HOD, CSE Department).



By the end of the FDP, the participants should be able to:

- Identify the type of machine learning problems and to apply the appropriate set of techniques.
- Understand a wide variety of machine learning algorithms to frame data models.
- Know how to apply a variety of machine learning tools for handling data effectively.
- Understand how to perform an evaluation of learning algorithms.

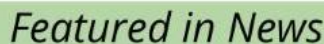
- Know the basics of Deep learning and know how to apply a variety of deep learning into projects.
- Learned about different techniques of machine learning and how to implement this technique in different areas.
- Also learned about the Swarm technique, fake detection, and data clustering.

Sample Certificate:



Certificate

- Pratahkal – newspaper, Udaipur Edition 27th Aug 2020



- **E-News on UdaipurTimes on 26th Aug 2020:**
<https://udaipurtimes.com/education/gits-concludes-threeday-online-faculty-development-program/cid1249737.htm>

ADVANCES IN NATURE INSPIRED ALGORITHM

(21st – 25th, September 2020)

The title of the Faculty development program was “Advances In Nature Inspired Algorithm “. There were a total number of 100 participants. This event was organized by the Department of Computer Science, RTU, Kota, TEQIP-III. The event coordinators were Ms. Ruchi Vyas & Ms. Shruti Porwal (Asst. Prof. CSE). There were 15 resource persons for the program, and their names are as follows:-

- Prof. Dr. R. Balasubramanian, IIT Roorkee
- Prof. Dr. Kusum Deep, IIT Roorkee
- Prof. Dr. Manoj Thakur, IIT Mandi
- Prof. Dr. Nishchal Kumar Verma, IIT Kanpur
- Prof. Dr. Jagdish Chand Bansal, South Asian University Delhi
- Prof. Dr. Kedar Nath Das, NIT Silchar
- Prof. Dr. Anupam Yadav, NIT Jalandhar
- Prof. Dr. Akhil Ranjan Garg, MBM Engg. College, Jodhpur
- Prof. Dr. K. P. Singh, IIIT Allahabad
- Prof. Dr. K. V. Arya, IIITM, Gwalior
- Prof. Dr. Sandeep Kumar Poonia, Amity University, Jaipur

- Prof. Dr. Praveen Kumar Shukla, BBD University Lucknow
- Prof. Dr. Manjaree Pandit, MITS, Gwalior
- Prof. Dr. Shimpi Singh Jadon, Govt. Engg. College Kannauj, U.P.
- Prof. Dr. Amar Kishor, S.N. Sinha College, Jehanabad




Poster


The five days FDP on Advances in Nature Inspired Algorithms aimed to introduce the fundamentals of nature-inspired algorithms such as generic algorithms, particle swarm optimization, and artificial bee colony algorithm. Nature-inspired algorithms are general-purpose problem solvers that operate as a collection of intelligent agents, mimicking interesting phenomena from nature in order to efficiently solve a specific problem

Many optimization techniques belonging to artificial intelligence were born under this paradigm, which can combine data, knowledge, learning, and search strategies for building advanced algorithms. This is a particularly interesting area for neural engineering and other AI-related applications. During the past years, many new nature-inspired algorithms have been proposed, such as human behavior-based optimization, speed hyena optimization, Dragonfly optimization, Andean Condor Algorithm, water evaporation optimization, collective decision optimization, interactive search algorithm, vapor-liquid equilibrium metaheuristic, selfish herds algorithm, scattering and repulsive swarm intelligence, social engineering optimization, virus colony search, thermal exchange optimization, and kidney-inspired algorithm. Most of them involve interesting novel aspects that have enabled the efficient solving of complex problems, particularly from the NP-hard and NP-complete class of problems. This FDP provided the participants with the guidelines to explore the various applications of nature-inspired algorithms. The participants also learned to develop methods for solving problems related to diverse computational fields.


Schedule:



GEETANJALI INSTITUTE OF TECHNICAL STUDIES
Darkness to Light



TEQIP



RAJASTHAN TECHNICAL UNIVERSITY

GEETANJALI INSTITUTE OF TECHNICAL STUDIES

RTU(ATU) TEQIP III SPONSORED
Five Day Faculty Development Program

"ADVANCES IN NATURE INSPIRED ALGORITHMS"

TENTATIVE PROGRAMME SCHEDULE 21 to 25-September 2020

DAY/TIME	9:30-9:40	9:40-10:40	11:00-12:15	1:00-2:15
Mon 21/9/20	INAUGURAL CEREMONY	SESSION 1 Topic: Introduction to Machine Learning and its Applications Name: Dr. Karm Veer Arya	SESSION 2 Topic: Differential Evolution Name: Dr. Sandeep Kumar	SESSION 3 Topic: Evolutionary Multi Objective Optimization Name: Dr. Manoj Thakur
Tue 22/9/20	SESSION 1 Topic: Convolutional neural networks: Some basics and insights on the optimization of its parameters Name: Dr. Akhil Ranjan Garg	SESSION 2 Topic: ACO Name: Dr. Jagdish Chand Bansal	SESSION 3 Topic: Evolution of hybrid nature inspired algorithms Name: Dr. Manjree Pandit	
Wed 23/9/20	SESSION 1 Topic: Sine-Cosine Algorithm for Optimization Name: Dr. Karam Deep	SESSION 2 Topic: Name: Dr. Nischal k Verma	SESSION 3 Topic: Artificial Electric Field Algorithm and Its Applications Name: Dr. Anupam Yadav	
Thurs 24/9/20	SESSION 1 Topic: Name: Dr. R. Balasubramanian/Dr. Amar Kishor	SESSION 2 Topic: Many Objective Genetic Algorithms Name: Dr. Krishna Pratap Singh	SESSION 3 Topic: Name: Dr. Kedar Das	
Fri 25/9/20	SESSION 1 Topic: Artificial Bee Colony Algorithm Name: Dr. Shampa Singh Jadon	SESSION 2 Topic: Name: Dr. R. Balasubramanian/Dr. Amar Kishor	SESSION 3 Topic: Artificial Neural Network and Its Implementation in Python Name: Dr. Praveen Kumar Shukla	VALEDICTORY CEREMONY

Schedule

Inaugural Session:

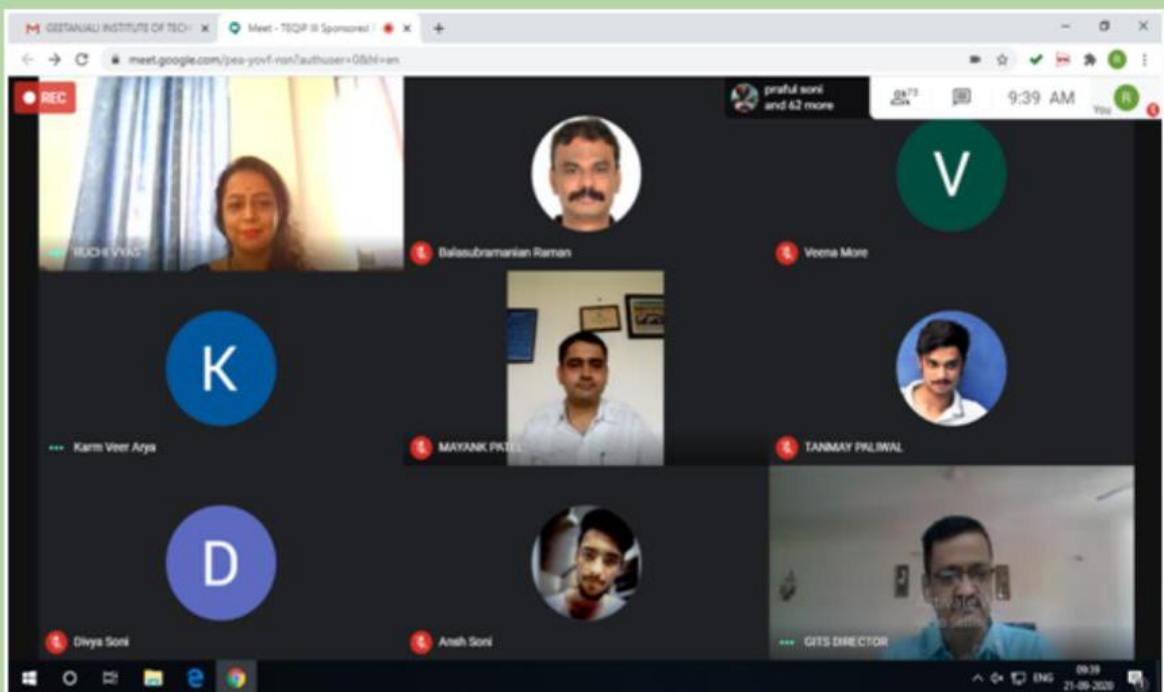
The inaugural of the FDP started on 21 September 2020 at 9:30 A.M. and in this inaugural function following dignitaries were present:-

- Dr. Vikas Misra, Director, GITS
- Dr. Harish Sharma (RTU Coordinator)
- Prof. Dr. R. Balasubramanian, IIT Roorkee
- Prof. Dr. K. V. Arya, IIITM, Gwalior
- Dr. Mayank Patel, HOD CSE, GITS

All the faculties of the CSE Department and participants.

The program was inaugurated by Ms. Ruchi Vyas Asst Professor by welcoming all the cherished dignitaries and participants.

In welcome speech Prof.(Dr.) Vikas Misra, Director(GITS) shared his views with the participants, that how this kind of government-funded Faculty development program has to boost up the knowledge of participants, it will also enhance their technical skills, and he also said that in today's world all the problems could be solved by Nature Inspired Algorithm.

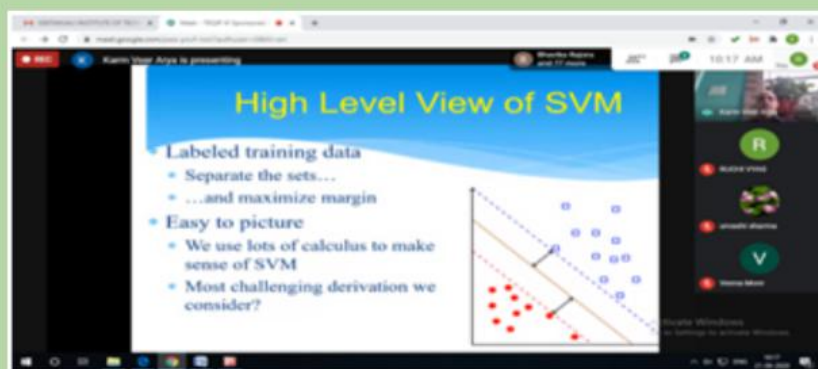


Dr.Mayank Patel, HoD, GITS welcomed our eminent speakers, Prof. Dr. R Balasubramanian, IIT Roorkee, Prof. Dr. K. V. Arya, IIITM, Gwalior Dr. Harish Sharma, Professor RTU, Kota and briefed the importance and its aspects in daily life and how this technology will change the world in terms of technology and work culture.

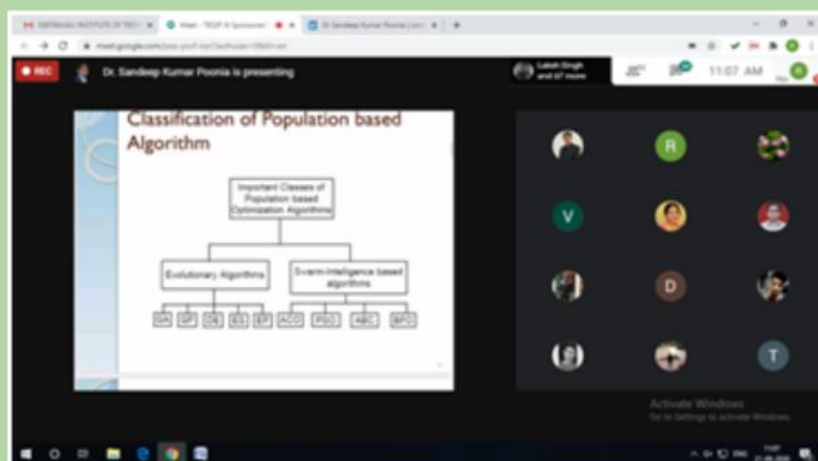
Day 1:

There were three sessions on Day 1 of FDP. The first session was taken by Dr. Prof. Karam Veer Arya on Introduction to Machine Learning and its Applications second session was taken by Dr. Prof. Sandeep Kumar on Differential evolution third session was taken by Dr. Prof. Manoj Thakur on evolutionary multi-objective optimization and its applications.

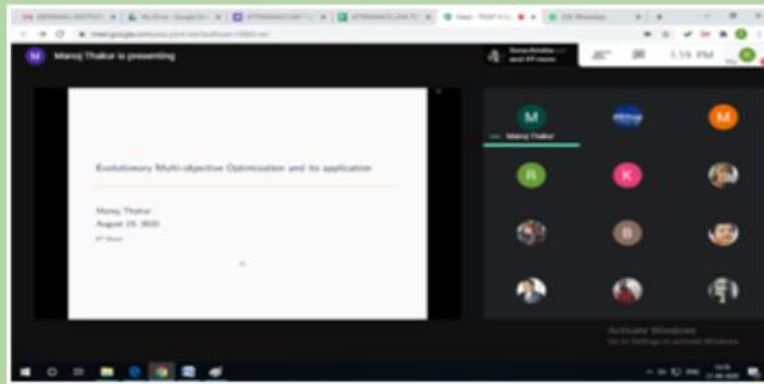
Session 1



Session 2

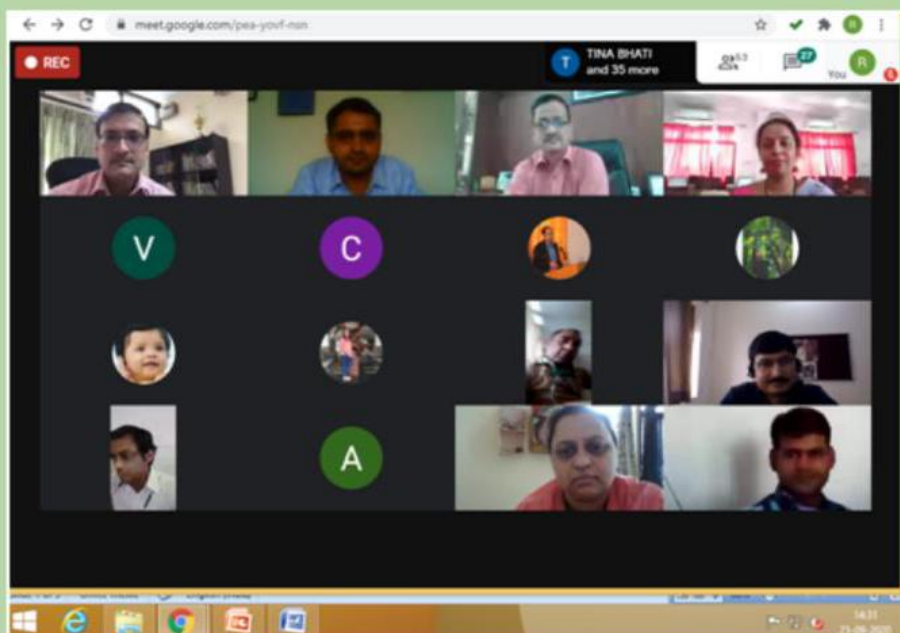


Session 3



VALEDICTORY SESSION:

Receiving an overwhelming response from participants, this FDP came to an end with a valedictory session, graced by Dr. Vikas Misra, Director, GITS. All participants appreciated the department for organizing such type of faculty development program. Prof. Dr. Jagdish Chand Bansal and Prof. Dr. R. Balasubramanian were chief guests of the event, Dr. Harish Sharma (RTU, Coordinator) thanked the speakers and college for organizing the FDP. The program ended with a vote of thanks by Dr. Mayank Patel (HOD, CSE Department).



Outcome:

The purpose of Five days FDP on “Advances In Nature Inspired Algorithm” was to make participants aware of present algorithms which are nature inspired and new researches are done on nature inspired algorithms such as GENERIC ALGORITHMS, PARTICLE SWARM OPTIMIZATION, and ANT BEE COLONY OPTIMIZATION, and how algorithms could be fused together to get the new algorithm. Participants got to know about Many optimization techniques belonging to artificial intelligence which were born under this paradigm, which can combine data, knowledge, learning, and search strategies for building advanced algorithms. After attending FDP, participants got a deep understanding of various nature-inspired algorithms. The area was very interesting particularly for neural engineering, and other AI-related applications.

Brochure:

RTU (ATU) TEQIP- III
Sponsored
Five Day Faculty Development Programme on
ADVANCES IN NATURE INSPIRED ALGORITHMS
21st - 25th SEPTEMBER, 2020

REGISTRATION FORM

Name Mr. / Ms. / Dr. _____

Designation _____

Institute Name _____

Institute Address _____

Affiliated to RTU _____ (Yes/No)

Mailing Address _____

E-Mail Id _____

Signature _____
(Participant)

Signature _____
(Principal / HOD with Seal)

Registration Fees : No Fees

Registration Form Link:
<https://forms.gle/cwWtWjAa11Gv81U6>

Note: The mode of FDP is online platform. After the online registration join WhatsApp group for all details related to FDP.

WhatsApp Group Link:
<https://chat.whatsapp.com/KAnbWUQacPodHyF0xj>

Contact Person:
Mr. Shendra Sharma
Assistant Prof, CSE
+91-9982787405
shendra.sharma@jgts.ac.in

FDP COMMITTEE

CHIEF PATRON
Prof. S.A. Gupta
Honorable Vice-Chancellor, RTU

PATRON
Shri J.P. Agarwal
Chairman-Geetanjali Education Society

Shri Jagjit Agarwal
Vice Chairman,
Geetanjali Group

Ms. Kavita Agarwal
Director, Geetanjali Group

Shri Ansh Agarwal
Executive Director,
Geetanjali Group

Ms. Shruti Agarwal
Director, Geetanjali Group

Shri R.L. Jangir
Finance Controller, GTS

CHIEF COVENOR
Prof. (Dr.) V.K. Mishra
Director - GTS

RTU (ATU) TEQIP-III COORDINATOR
Prof. I. Chandra Mather
RTU, Kota

RTU EVENT COORDINATOR
Dr. Harish Sharma
RTU, Kota

RTU (ATU) TEQIP-III COMMITTEE

Prof. D. S. Samalaya
Head Officer Placement

Dr. Harish Sharma
Head Officer Academic

Dr. S.D. Panikil
Head Officer Finance

HOST INSTITUTE COORDINATOR
Dr. Mayank Patel
Head, Department of Computer Science & Engineering

ORGANIZING SECRETARY
Mr. Rishi Vyas, Assistant Professor, CSE
Mr. Dinesh Pandey, Assistant Professor, CSE

ORGANIZING COMMITTEE

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Mr. Akshay Gupta
Mr. Nitin Soni
Mr. Rajat Singh



TEQIP III

RTU (ATU) TEQIP- III
Sponsored
Five Day Faculty Development Programme on
ADVANCES IN NATURE INSPIRED ALGORITHMS
21st - 25th SEPTEMBER, 2020



Organized by:
Rajasthan Technical University, Kota
and
Geetanjali Institute of Technical Studies



GEETANJALI INSTITUTE OF TECHNICAL STUDIES
(Affiliated to Rajasthan Technical University, Kota and Approved by AICTE, New Delhi)
NH-76, Airport Road, Udaipur, Rajasthan, India
Courses Offered: B.Tech | M.Tech | MBA | MCA

www.gits.ac.in

Venue: Department of Computer Science & Engineering

ABOUT TEQIP-III

The Project, third phase of Technical Education Quality Improvement Programme (TEQIP-III) is fully integrated with the Twelfth Five year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States and support to strengthen low affiliated technical universities to improve their policy, academic and management practices.

ABOUT RAJASTHAN TECHNICAL UNIVERSITY

Rajasthan Technical University (RTU) is located in Kota in the state of Rajasthan. It was established in 2006 by the Government of Rajasthan to enhance the technical education in the state. The University aims to provide quality technical education which may help Rajasthan in its technical development and will boost technical environment in the country.

ABOUT GITS

GITS has been a pioneer in recognizing the needs of the industry and integrating knowledge with professional inputs. Our institution is among one of the most eminent Engineering Institution and it is renowned for the standards of its infrastructure, faculty and our global perspective drive us to practice a futuristic approach to act as an trend setter of the professional world.

ABOUT CSE DEPARTMENT

The mission of CSE department is to continuously strive for achieving excellence in logical thinking and computing disciplines. It is being pursued through its spectrum of academic and custom designed value-added programs. The sustained effort is to produce graduates with potential to design and develop systems involving the integration of software and hardware devices; innovative approaches to programming and problem solving as well as creative ways to use technology; Large scale software systems; and computing infrastructure of an organization. The CSE department has well qualified faculty members with all of

them having Ph.D. & M.Tech. Apart from the regular classroom teaching, the department invites visiting professors, distinguished professionals from industry and eminent researchers at regular intervals to expose the students about the industry best practices. The Department is recognized as a Ph. D. Research Centre under RTU, Kota.

OBJECTIVE OF THE FDP

The five days FDP on Advances in Nature Inspired Algorithms aims to introduce the fundamentals of nature inspired algorithms such as genetic algorithms, particle swarm optimization and artificial bee colony algorithm. Nature-inspired algorithms are general-purpose problem solvers that operate as a collection of intelligent agents, mimicking interesting phenomena from nature in order to efficiently solve a specific problem. Many optimization techniques belonging to artificial intelligence were born under this paradigm, which are able to combine data, knowledge, learning, and search strategies for building advanced algorithms. This is a particularly interesting area for neural engineering, and other AI-related applications.

During the past years, many new nature-inspired algorithms have been proposed, such as human behaviour-based optimization, spotted hyena optimization, dragonfly optimization, Andean Condor Algorithm, water evaporation optimization, collective decision optimization, iterative search algorithm, vapour-liquid equilibrium metaheuristic, selfish herds algorithm, scattering and repulsive swarm intelligence, social engineering optimization, virus colony search, thermal exchange optimization, and kidney-inspired algorithm. Most of them involve interesting novel aspects that have enabled the efficient solving of complex problems, particularly from the NP-hard and NP-complete class of problems. This FDP would provide participants with the guidelines to explore the various applications of nature inspired algorithms. The participants would also learn to develop methods for solving problems related to diverse computational fields. FDP date wise schedule will be mail to the register participants.

FDP EXPERT SPEAKERS

- > Prof. Dr. R. Subramanian, IIT Roorkee
- > Prof. Dr. Karam Deep, IIT Roorkee
- > Prof. Dr. Manoj Thakur, IIT Mandi
- > Prof. Dr. Anil Kumar Sharma, IIT Kanpur
- > Prof. Dr. Jagdish Chand Bansal, South Asian University, New Delhi
- > Prof. Dr. Kishan Nath Dixi, NIT Silchar
- > Prof. Dr. Anupam Yadav, NIT Jaalandhar
- > Prof. Dr. Akhilesh Singh, MM Engg. College, Jodhpur
- > Prof. Dr. K.P. Singh, IIT Alwar
- > Prof. Dr. K.V. Arya, IITM, Gwalior
- > Prof. Dr. Sandeep Kumar Poonia, Anand University, Jaipur
- > Prof. Dr. Praveen Kumar Shukla, BBD University Lucknow
- > Prof. Dr. Manjavee Pandey, IITM, Gwalior
- > Prof. Dr. Shweta Singh Yadav, Govt. Engg. College Kanpur, U.P.
- > Prof. Dr. Amar Kishor, S.N. Sinha College, Jehanabad



Sample Certificate :



Certificate

News Coverage :

Danik Bhaskar Udaipur Edition (27th Sep 2020)



CODECHEF

We are aspiring students who like to code. We organize events, quizzes, and host competitions on Codechef Platforms for students of our campus to make them aware of the nitty-gritty of Competitive Coding. To those who are new to this term, Competitive programming is a mind sport usually held over the Internet or a local network, involving participants trying to program according to provided specifications. Through Competitive Coding, we seek to enhance our problem-solving abilities and analytical skills to crack Coding Rounds in Placement Interviews.



CodeChef College Chapter is the programming club run and maintained by the official chapter leaders and mentored by CodeChef. A team of 4 students is required. To gain this opportunity the team has got to pass 3 rounds. The first is to apply for the CodeChef college chapter. In the second round, we have to face the interview and at last, we have to organize one online workshop. After successfully completing these 3 steps our team successfully established the CodeChef college chapter in October.

To Guide our Codechef team in the right direction we have our CodeChef Faculty Advisor

- Dr. Mayank Patel (HOD, CSE)
- Mr. Bhupendra Teli (Assistant Professor, CSE)

To execute all events our CodeChef team members works in a guided direction to successful conduct an event

1. **President** - Veer Bhadra Singh Solanki
2. **Events Lead** - Purva Vijay
3. **Competitive Programming Lead** - Harsh Soni
4. **Outreach and Media Lead** - Divy Pagariya

Event Report -

Geetanjali Institute of Technical Studies, Dabok
Udaipur

Contact Details: geeks.gits@gmail.com

Event Date: 11 October 2020

Name of Event: CodeChef Chapter Contest

No. of Participants: 64

Location: Virtual using CodeChef Platform

Event Description:

This coding contest was organized by CodeChef to make aware the students of Computer Science and Engineering on programming and logic. The event was organized by the CodeChef GITS Chapter and Codechef.

Faculties in Event:

- Dr. Mayank Patel (HOD, CSE)
- Mr. Bhupendra Kumar Teli (Assistant Professor, CSE)

Student Team for the Event:

- Veer Bhadra Singh Solanki - III Year, V Sem
- Purva Vijay - III year, V Sem
- Divy Pagariya - II year, IV Sem
- Harsh Soni - II year, IV Sem

Winners:

- Ritik Nanawati - III year, V Sem
- Parth Sharma -II year, IV Sem
- Dalpat I - III year, V Sem
- Farhan khan - II year, IV Sem

Students Feedback For Future:

- Conduct Monthly Coding Competition.
- Conduct Quiz, Webinar, etc.

CODE-QUIZARD

This quiz was organized to make aware the students of Computer Science and Engineering on programming and logic. The event was organized by the CodeChef GITS Chapter and the Department of Computer Science.

Event Report

Event Date: 22 December 2020

Name of Event: Code-Quizard

No. of Participants: 52

Location: Virtual using Google Form

Faculties in Event:

- Dr. Mayank Patel, (HOD CSE)
- Mr. Bhupendra Kumar Teli, (Assistant Professor, CSE)

Student Team for the Event:

- Veer Bhadra Singh Solanki - III Year, V Sem
- Purva Vijay - III year, V Sem
- Divy Pagariya - II year, IV Sem
- Harsh Soni - II year, IV Sem

Winners:

- Krishnapal Singh Deora- III Year, V Sem
- Ritik Nanawati - III Year, V Sem
- Eshita Mogra - II Year, IV Sem
- Sanah Mathur - II Year, IV Sem

Students Feedback For Future:

- 1. Live programming session in which each student should get a program to code.
- 2. Hackathon
- 3. Monthly Coding Competition And Logic Development Session. But Year-wiset



National Programme on Technology Enhanced Learning (NPTEL) is a project of MHRD initiated by seven Indian Institutes of Technology (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the Indian Institute of Science, Bangalore in 2003, to provide quality education to anyone interested in learning from the IITs. The main goal was to create web and video courses in all major branches of engineering and physical sciences at the undergraduate and postgraduate levels and management courses at the postgraduate level.

The students of Geetanjali Institute Of Technical Studies also took advantage of the same and excelled in various courses. Some students even achieved Elite, silver and Gold certificates too! Details of the same are as follows:

S.No	Course Name	Name	Certificate Type	Topper
1	Cloud computing	Kartik Agarwal	Elite	
2	Cloud computing	Kritarth Kumar Jha	Elite+Silver	
3	Data Base Management System	Chinmay Jain	Elite+Silver	Topper of 5% in this course
4	English Language for Competitive Exams7	Anisha Shaktawat	Elite	
5	Introduction to algorithms and analysis	Aakanksha Samota	Elite	
6	Introduction to internet of things	Chinmay Jain	Successfully completed	
7	Introduction to Machine Learning	Geetika Agarwal	Elite	
8	Introduction to Machine Learning	Himanshi Rathore	Elite	
9	Introduction to Machine Learning	Devendra Kumawat	Successfully completed	
10	Introduction to Operating Systems	Divya Soni	Elite	

11	Introduction to Operating Systems	Lakshyaraj Singh Dalawat	Successfully completed	
12	Introduction to Operating Systems	Lovisha Jain	Successfully completed	
13	Marketing Management-I	Kartik Agarwal	Successfully completed	
14	Modern Application Development	Chinmay Jain	Elite	
15	Practical Machine Learning with Tensorflow	Harsh Soni	Successfully completed	
16	Problem solving through Programming In C	Devanshi Minda	Elite+Silver	
17	Problem solving through Programming In C	Manan Mathur	Elite+Silver	
18	Problem solving through Programming In C	Parth Sharma	Elite+Silver	Topper of 5% in this course
19	Problem solving through Programming In C	Pratik Kanthaliya	Elite+Silver	
20	Problem solving through Programming In C	Pritesh Singh Lodha	Elite	
21	Problem solving through Programming In C	Rohit Suthar	Elite	
22	Problem solving through Programming In C	Tushar Joshi	Elite	
23	Problem solving through Programming In C	Meet Shrimal	Elite	
24	Problem solving through Programming In C	Gitesh Kumar Jain	Elite	
25	Problem solving through Programming In C	Yash Raj Singh Chouhan	Elite	
26	Problem solving through Programming In C	Yashovardhan Jain	No Certificate	
27	Programming in C++	Anupam Bhatt	Elite	
28	Programming in C++	Devanshi Minda	Elite	
29	Programming in C++	Divy Pagariya	Elite+Silver	
30	Programming in C++	Harshal Jain	Elite	
31	Programming in C++	Hemant Sharma	Elite	
32	Programming in C++	Bhavi Mehta	Elite+Silver	
33	Programming in C++	Harsh Soni	Elite+Silver	
34	Programming in Java	Veer Bhadra Singh Solanki	Elite+Silver	
35	Programming, Data Structures And Algorithms Using Python	Mayank Kataria	Elite+Silver	

36	Soft skills	Devanshi Minda	Elite	
37	Soft skills	Yogita Sharma	Elite	
38	Technical English for Engineers	Khushi Lodha	Elite	
39	Technical English for Engineers	Pranjul Nainawatee	Elite+Silver	
40	Technical English for Engineers	Ridhima jain	Elite	
41	The Joy of Computing using Python	Aakanksha Samota	Elite+Silver	
42	The Joy of Computing using Python	Bhowmick vyas	Elite	
43	The Joy of Computing using Python	Divya Soni	Elite+Silver	
44	The Joy of Computing using Python	Kartik Agarwal	Elite	
45	The Joy of Computing using Python	Kritarth Kumar Jha	Elite+Silver	
46	The Joy of Computing using Python	Lakshyaraj Singh Dalawat	Elite	
47	The Joy of Computing using Python	Lovisha Jain	Elite+Silver	

FACULTY ACHIEVEMENT

The faculties of Geetanjali Institute of Technical Studies have always continued to educate our students, no matter what the situation occurs. Despite the world pandemic in 2020, our faculties did not back off or lose hope when it came to their responsibilities. They tried to do their best and the education of the students was not compromised. They continued to teach and educate our students on Online platforms and even honed their skills also. They took part in various Faculty Development Programmes, Webinars, Workshops, and STTP's. Details of the same are as follows:

Details of FDP'S attended(July-Dec 2020)

Name of Faculty	Title of Event	Type of Event	Date of Event	Organized by
Dr. Mayank Patel	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
	BlockChain	FDP (TEQIP Sponsored)	7th-11th Sep,2020	Birla Institute of Technology, Mersa
	Accrediation - A Tool for Continuous Improvement	FDP (TEQIP Sponsored)	27th - 29th Aug, 2020	JIET, Jodhpur
	Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
	Inculcating Universal Human Values in Technical Education	FDP	19th-23th Aug,2020	AICTE, New Delhi
	Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
	Personal Effectiveness	FDP (ATAL-AICTE)	2nd - 6th Nov, 2020	Indian Institute of Technology, Bhubaneswar

2	Dr. Preeti Narooka	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITS, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITS, Udaipur
		Fundamentals of Machine Learning & Deep Learning	FDP	07th-12th Dec, 2020	SCS, PU, Jaipur
		Technical Trends in IoE, Data Science & Artificial Intelligence	AICTE Sponsored 2 weeks FDP	14-28 Dec 2020	Electronics and Communication Engineering, P.S.R. Engineering College, Sivakasi
		Internet of Things	FDP	14-18th December 2020	AICTE ATAL academy
		Incorporating Universal Human Values in Education	AICTE UHV FDP	22-27 Dec 2020	AICTE UHV
3	Jitendra Sharma	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITS, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITS, Udaipur
		Inculcating Universal Human Values in Technical Education	FDP	19th-23th Aug,2020	AICTE, New Delhi
		Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
4	Charu Kavadia	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITS, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITS, Udaipur
		Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
		Improving Teaching Skills	FDP	10th - 12th Sep, 2020	Dept. of Management, GITS, Udaipur
		Inculcating Universal Human Values in Technical Education	FDP	19th-23th Aug,2020	AICTE, New Delhi
		Artificial Intelligence and Internet of Things	FDP (TEQIP Sponsored)	19/11/2020 to 23/11/2020	Department of Electronics & Communication Engineering, Government Women Engineering College, Ajmer in association with I. K. Gujral Punjab Technical University, Jalandhar sponsored by TEQIP-III.
		Internet of Things (IoT)	AICTE Training and Learning (ATAL) Academy Online FDP	1/12/2020 to 5/12/2020	AICTE Training and Learning (ATAL) Academy and Geethanjali College of Engineering and Technology.
		Artificial Intelligence	AICTE Training and Learning (ATAL) Academy Online FDP	7/12/2020 to 11/12/2020	AICTE Training and Learning (ATAL) Academy and Sri Sairam Engineering College.
		Machine Learning and Data Science	FDP (TEQIP Sponsored)	14th - 18th Dec 2020	AIET, Jaipur
5	Ritesh Kumar Jain	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITS, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITS, Udaipur
		Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
		Improving Teaching Skills	FDP	10th - 12th Sep, 2020	Dept. of Management, GITS, Udaipur
		Software Testing	FDP (TEQIP Sponsored)	26th-27th Sep, 2020	CITM, Jaipur
		Effective Teaching Pedagogy	FDP	20th-22nd July, 2020	Inderprastha Engineering College, Ghaziabad
		Python Programming	FDP	07th-18th Sep, 2020	EICT Academy, IIITDM, Jabalpur & MNIT, Jaipur
		Emerging Trends & Technologies in Data Science	FDP	24th-29th August 2020	GMR Institute of Technology, Kakinada
		Evolution of IOT & Its Real Time Application	FDP	13th-17th July 2020	MRITS, Hyderabad
		Machine Learning for Computer Vision	FDP	29th June-08th July, 2020	EICT Academy, IIITDM, Jabalpur & MNIT, Jaipur
		Machine Learning and Data Science	FDP (TEQIP Sponsored)	14th - 18th Dec 2020	AIET, Jaipur
		Neural Network and Deep Learning	AICTE Training and Learning (ATAL) Academy Online FDP	23rd - 27th Nov 2020	AICTE Training and Learning (ATAL) Academy
		Incorporating Universal Human Values in Education	AICTE UHV FDP	22-27 Dec 2020	AICTE UHV

6	Ruksar Sheikh	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
		Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
		Incorporating Universal Human Values in Education	AICTE UHV FDP	12-16 Oct 2020	AICTE UHV
		Artificial Intelligence and Internet of Things	FDP (TEQIP Sponsored)	19/11/2020 to 23/11/2020	Department of Electronics & Communication Engineering, Government Women Engineering College, Ajmer in association with I. K. Gujral Punjab Technical University, Jalandhar sponsored by TEQIP-III.
7	Shrusti Porwal	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
		Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
		Incorporating Universal Human Values in Education	AICTE UHV FDP	12-16 Oct 2020	AICTE UHV
8	Shipra Sharma	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
		Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
		Improving Teaching skills	FDP	10 th-12th Sept 2020	Department of Management, GITs, Udaipur
		Machine Learning and Data Science	FDP (TEQIP Sponsored)	14th - 18th Dec 2020	AIET, Jaipur
		Incorporating Universal Human Values in Education	AICTE UHV FDP	22-27 Dec 2020	AICTE UHV
9	Bhupendra Kumar Teli	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
		Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
		Improving Teaching skills	FDP	10 September - 12 September 2020	Department of Management, GITs, Udaipur
		Incorporating Universal Human Values in Education	AICTE UHV FDP	12-16 Oct 2020	AICTE UHV
		Machine Learning and Data Science	FDP (TEQIP Sponsored)	14th - 18th Dec 2020	AIET, Jaipur
10	Nikita Somani	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
		Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
		Machine Learning and Data Science	FDP (TEQIP Sponsored)	14th - 18th Dec 2020	AIET, Jaipur
		Incorporating Universal Human Values in Education	AICTE UHV FDP	22-27 Dec 2020	AICTE UHV

11	Ruchi Vyas	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
		Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
		Inculcating Universal Human Values in Technical Education	FDP	19th-23th Aug,2020	AICTE, New Delhi
		Accreditation - A Tool for Continuous Improvement	FDP (TEQIP Sponsored)	27th - 29th Aug, 2020	JIET, Jodhpur
		2 Week online FDP by Electronics and ICT Academies	FDP on Python Programming	7th-18th Sep,2020	Electronics and ICT Academies
		AICTE ATAL FDP on Robotics	AICTE Training and Learning (ATAL) Academy Online FDP	14th - 18th Dec 2020	Department of Electronics RAIT
12	Vishal Jain	One week FDP on "Evolution of IOT & its Real Time Applications"	FDP	13 July 2020-17 July 2020	Dept. of CSE, Malla Reddy Institute of Tech. & Science, Hyderabad
		Five Day Faculty Development Programme on "Advances in Nature Inspired Algorithms"	FDP	21 Sept 2020-25 Sept 2020	Department of CSE, GITs, Udaipur
		Five Day FDP on "Artificial Intelligence & Data Analytics with MATLAB"	FDP	08 Aug 2020-12 Aug 2020	Shreenath Ji Institute of Technology & Engg., Nathdwara
		Three Days FDP on "Improving Teaching Skills"	FDP	10 th-12th Sept 2020	Department of Management, GITs, Udaipur
		Machine Learning and Data Science	FDP (TEQIP Sponsored)	14th - 18th Dec 2020	AIET, Jaipur
		Incorporating Universal Human Values in Education	AICTE UHV FDP	22-27 Dec 2020	AICTE UHV
13	Surbhi Upadhyay	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
14	kavita Suthar	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
15	Dr. Vishu Singhvi	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
16	Ajay Kumar Sharma	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	21th-23th Aug, 2020	Dept . of CSE, GITs, Udaipur
		Machine Learning and Data Science	FDP (TEQIP Sponsored)	14th - 18th Dec 2020	AIET, Jaipur
17	Abhishek Gupta	Advances in Nature Inspired Algorithms	FDP (TEQIP Sponsored)	21st-25th Sep,2020.	Dept . of CSE, GITs, Udaipur
		Machine Learning and Its Aspects	FDP (TEQIP Sponsored)	23th-25th Aug, 2020	Dept . of CSE, GITs, Udaipur
		Artificial Intelligence & Data Analysis With Matlab	FDP (TEQIP Sponsored)	08th-12th Aug, 2020	SITE, Nathdwara
		Three Days FDP on "Improving Teaching Skills"	FDP	10 th-12th Sept 2020	Department of Management, GITs, Udaipur
		Incorporating Universal Human Values in Education	AICTE UHV FDP	22-27 Dec 2020	AICTE UHV

WORKSHOPS ATTENDED

S.no.	Name of Faculty	Title of Event	Type of Event	Date of Event	Organized by
1	Dr. Mayank patel	Machine Learning:Practical Approach for Beginners	Workshop (TEQIP Sponsored)	8th-22nd Aug, 2020	GIT, Jaipur
2	Ruchi Vyas	Machine Learning:Practical Approach for Beginners	Workshop (TEQIP Sponsored)	8th-22nd Aug, 2020	GIT, Jaipur
3	Jitendra Sharma	Machine Learning:Practical Approach for Beginners	Workshop (TEQIP Sponsored)	8th-22nd Aug, 2020	GIT, Jaipur
4	Ritesh Kumar Jain	Machine Learning:Practical Approach for Beginners	Workshop (TEQIP Sponsored)	8th-22nd Aug, 2020	GIT, Jaipur
		Train the trainer's on examination reforms	WORKSHOP	4-7 Dec 2020	BVB College of Engg & Technology,Huballi
5	Shipra Sharma	Machine Learning:Practical Approach for Beginners	Workshop (TEQIP Sponsored)	8th-22nd Aug, 2020	GIT, Jaipur

STTP ATTENDED

S.no.	Name of Faculty	Title of Event	Type of Event	Date of Event	Organized by
1	Dr. Mayank Patel	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
2	Dr. Preeti Narooka	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
3	Jitendra Sharma	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
4	Charu Kavadia	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
5	Ritesh Kumar Jain	Probability and Statistics	STTP	22nd June to 02 July 2020	NITTTR, Kolkata
6	Ruksar Sheikh	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
7	Shrusti Porwal	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
8	Shipra Sharma	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
9	Bhupendra Kumar Teli	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
10	Nikita Somani	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
11	Ruchi Vyas	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
		Six Days STTP on "Machine Learning & its application to BIG DATA Phase II"	STTP	19 Oct-23 Oct 2020	JIET, JODHPUR
		Six Days STTP on "Machine Learning & its application to BIG DATA Phase III"	STTP	23 Nov 2020-28 Nov 2020	JIET, JODHPUR
12	Vishal Jain	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
13	Ajay Kumar Sharma	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur
14	Abhishek Gupta	Six Days STTP on "Problem Solving & Programming in Python"	STTP	24 July 2020-30 July 2020	Department of CSE, GITS, Udaipur

RESEARCH PUBLICATION

Details of Paper Published in UGC listed journals / any journals having ISSN no.

S.No.	Faculty Name	Paper title	Journal	Month	Year	ISSN No.	Page No.
1	Dr. Mayank Patel	Novel Automation Technique using Machine Learning in Field Farming	International Journal for Research in Applied Science & Engineering Technology	Aug	2020	2321-9653	137-138
		Mobile Application to Track A Remote Employee And Business Process Management	International Journal for Research in Applied Science & Engineering Technology	Sep	2020	2321-9653	1
		Sentiment Detection on News Data Using Naive Bayes Classifier	Journal of Engineering Sciences		2020	0377-9254	
2	Charu Kavadia	A Smart Navigation and automated System for Blind People	International Journal of Creative Research Thoughts(IJCRT)	August	2020	2320-2882	123-124
3	Shipra Sharma	Expense Tracker and College Placement Report	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Sept	2020	2321-9653	888-894
		Motor Vehicle Service	International Research Journal of Modernization in Engineering Technology and Science	Sept	2020	2582-5208	126-127
4	Nikita Somani	Fraud App Detection	International Research Journal of Modernization in Engineering Technology and Science	Sept	2020	2582-5208	660-665
5	Ritesh Kumar Jain	Attendance Monitoring System Using Face Recognition and Uniform Detection Through Machine Learning	International Research Journal of Modernization in Engineering Technology and Science	Sept	2020	2582-5208	119-122
6	Abhishek Gupta	PATIENT RECORD TRACKER	International Research Journal of Modernization in Engineering Technology and Science	September	2020	2582-5208	



ACADEMIC ACHIEVERS

CSE ACADEMIC TOPPERS

VIII Semester



Lakshita Suthar
16EGICS059
85%



Sneha Jain
16EGICS103
83.4%



Batul Asgerali Chikhly
16EGICS017
84.2%



Madhubala Goor
16EGICS063
84.1%



Khyati Mehta
16EGICS054
83.8%

VI SEMESTER



Zenab Wagla wala
17EGICS124
93.53%



Riya Soni
17EGICS092
91.49%



Gauri Shrimali
17EGICS030
90.98%



Chinmay Jain
17EGICS019
89.36%



Saurabh Srivastav
17EGICS105
89.28%

IV SEMESTER



Aakanksha Samota
18EGICS001
SGPA- 10



Anjali Vyas
18EGICS011
SGPA- 10



Anubhuti Jha
18EGICS013
SGPA- 10



Divya Soni
18EGICS027
SGPA- 10



Harshita Jain
18EGICS031
SGPA- 10



Krishnapal Singh Deora
18EGICS046
SGPA- 10



Lovisha Jain
18EGICS052
SGPA- 10



Viplov Jiwnani
18EGICS104
SGPA- 10

PLACEMENTS

The students of Geetanjali Institute Of Technical Studies have continued to make us proud by their excellent placements in different big and renowned companies. The placement details of the Batch 20-21 are as follows:-

S.N O.	STUDENT NAME	DATE	COMPANY NAME	PROFILE	PACKAGE
1	BUSAINA KHOJEMA MITHA	8/18/2020	LA NET	SOFTWARE INTERNS	4.0 LPA
2	CHINMAY JAIN	8/18/2020	LA NET	SOFTWARE INTERNS	4.0 LPA
3	DEVENDRA KUMAWAT	8/18/2020	LA NET	SOFTWARE INTERNS	4.0 LPA
4	GAURI SHRIMALI	8/18/2020	LA NET	SOFTWARE INTERNS	4.0 LPA
5	JAYESH SHARMA	8/18/2020	LA NET	SOFTWARE INTERNS	4.0 LPA
6	NEHA SONI	8/18/2020	LA NET	SOFTWARE INTERNS	4.0 LPA
7	NIKHIL JAIN	8/18/2020	LA NET	SOFTWARE INTERNS	4.0 LPA
8	PALAK INTODIA	8/18/2020	LA NET	SOFTWARE INTERNS	4.0 LPA
9	PRANJAL JAIN	8/18/2020	LA NET	SOFTWARE INTERNS	4.0 LPA
10	ZENAB WAGLA WALA	8/18/2020	LA NET	SOFTWARE INTERNS	4.0 LPA
11	CHINMAY JAIN	8/25/2020	GATEWAY GROUP	SOFTWARE DEVELOPER	4.16 - 4.60 LPA
12	KAJAL SINGHVI	8/25/2020	GATEWAY GROUP	SOFTWARE DEVELOPER	4.16 - 4.60 LPA
13	GAURI SHRIMALI	9/5/2020	AMEYO	GTE	3.0 LPA
14	NUPOOR BOMB	9/5/2020	AMEYO	GTE	3.0 LPA
15	SOMIA CHOUDHARY	9/5/2020	AMEYO	GTE	3.0 LPA
16	SHUBHAM DEVPURA	10/3/2020	ADVAIYA SOLUTIONS	SOFTWARE ENGINEER	3.0 LPA
17	DAKSH RAJ SINGH SOLANKI	10/24/2020	TCS	SOFTWARE ENGINEER	36 LPA
18	GAURI SHRIMALI	10/24/2020	TCS	SOFTWARE ENGINEER	38 LPA
19	SAKSHI SHARMA	10/24/2020	TCS	SOFTWARE ENGINEER	37 LPA
20	CHESTHA SINGH	11/2/2020	FUSION SOLUTIONS	SOFTWARE DEVELOPER	2.92 - 4.46 LPA
21	KETAN SHARMA	11/2/2020	FUSION SOLUTIONS	TRAINEE ASSOCIATE-SOFTWARE	2.92 - 4.46 LPA
22	NUPOOR BOMB	11/2/2020	FUSION SOLUTIONS	TRAINEE ASSOCIATE-SOFTWARE	2.92 - 4.46 LPA

23	RHYTHM BHIWANI	11/2/2020	FUSION SOLUTIONS	TRAINEE ASSOCIATE-SOFTWARE	2.92 - 4.46 LPA
24	RIYA SONI	11/2/2020	FUSION SOLUTIONS	TRAINEE ASSOCIATE-SOFTWARE	2.92 - 4.46 LPA
25	SHUBHAM DEVPURA	11/2/2020	FUSION SOLUTIONS	TRAINEE ASSOCIATE-SOFTWARE	2.92 - 4.46 LPA
26	SOMIA CHOUDHARY	11/2/2020	FUSION SOLUTIONS	TRAINEE ASSOCIATE-SOFTWARE	2.92 - 4.46 LPA
27	BHANU PRATAP SINGH SISODIA	11/10/2020	V2SOLUTIONS	ASSOCIATE SOFTWARE ENGINEER	3.0 LPA
28	CHANDRA SHEKHAR PANWAR	11/10/2020	V2SOLUTIONS	ASSOCIATE SOFTWARE ENGINEER	3.0 LPA
29	HIMANSHI AJARIA	11/10/2020	V2SOLUTIONS	ASSOCIATE SOFTWARE ENGINEER	3.0 LPA
30	HIMANSHI RATHORE	11/10/2020	V2SOLUTIONS	ASSOCIATE SOFTWARE ENGINEER	3.0 LPA
31	PRIYANSHEE AMETA	11/10/2020	V2SOLUTIONS	ASSOCIATE SOFTWARE ENGINEER	3.0 LPA
32	SAKSHI SHARMA	11/10/2020	V2SOLUTIONS	ASSOCIATE SOFTWARE ENGINEER	3.0 LPA
33	RHYTHM BHIWANI	12/1/2020	SAARTHI AIRWAYS	SOFTWARE ASSOCIATE	2.4 - 5.0 LPA
34	PALAK INTODIA	12/15/2020	COLLABERA	TECHNICAL RECRUITER	2.52 LPA
35	PURVI DWIVEDI	12/15/2020	COLLABERA	TECHNICAL RECRUITER	2.52 LPA
36	CHESTHA SINGH	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
37	DAKSH RAJ SINGH SOLANKI	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
38	DIVYANSH PALIWAL	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
39	DIVYANSHU SHARMA	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
40	GARVITA SHEKHAR	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
41	HARSH SHRIMALI	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
42	HONEY MATHUR	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
43	JAI PRAKASH JANGIR	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
44	KINAL KUKDA	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
45	RUSHIL AGARWAL	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
46	SAKSHI SHARMA	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
47	SHIFA CHOUDHARY	12/17/2020	SECURE METERS	TRAINEE ENGINEER	3.0 LPA
48	GAURI SHRIMALI	12/22/2020	METACUBE	SOFTWARE ENGINEER TRAINEE	4.0 LPA
49	CHINMAY JAIN	12/22/2020	METACUBE	SOFTWARE ENGINEER TRAINEE	4.0 LPA



ALUMNI INTERACTION

MR. HARSH SOLANKI (2012-2016 BATCH)

It was an online alumni interaction held on 5th December 2020 between 11:00 AM-12:00 PM by Mr. Harsh Solanki (2012-2016 Batch) Lead Programmer Analyst, Argusoft India Ltd, Gandhinagar. There was a total of 50 participants. This event was organized by the CSE alumni club and the Department of Computer Science. The event coordinator was Mr. Jitendra Sharma. The event was held on the Google Meet platform. This online interaction is organized to give career guidance to our students for better career opportunities.

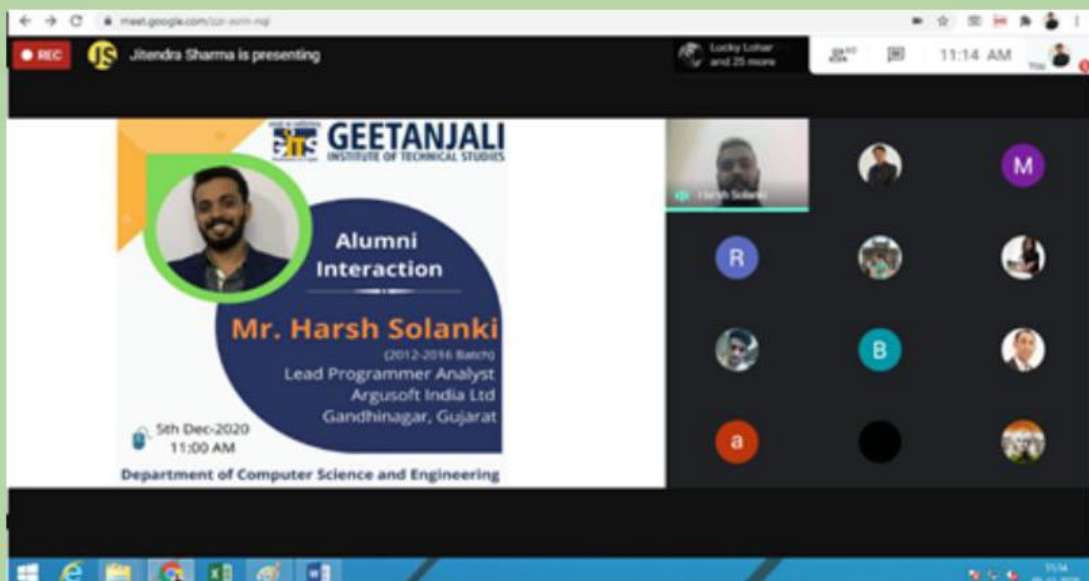


Poster for Alumni Interaction

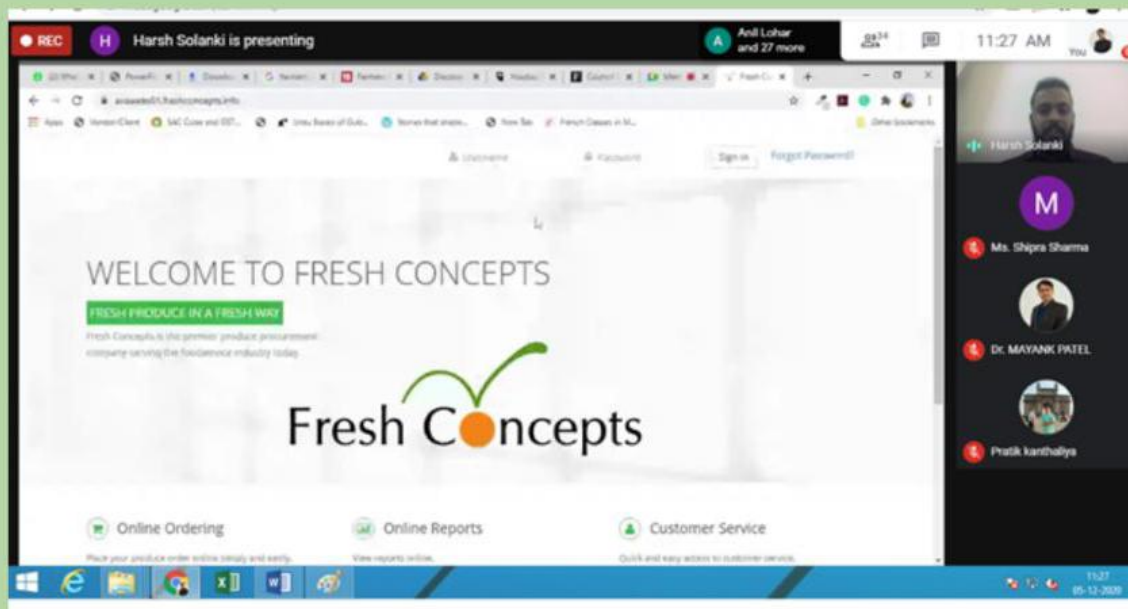
In the inaugural session, the following faculties were present -

- Dr. Mayank Patel, HoD CSE, GITS
- Mr. Jitendra Sharma, Faculty Co-ordinator, CSE Student Club
- Mr. Harsh Solanki, Guest
- Ms. Shipra Sharma, Assistant Professor, CSE

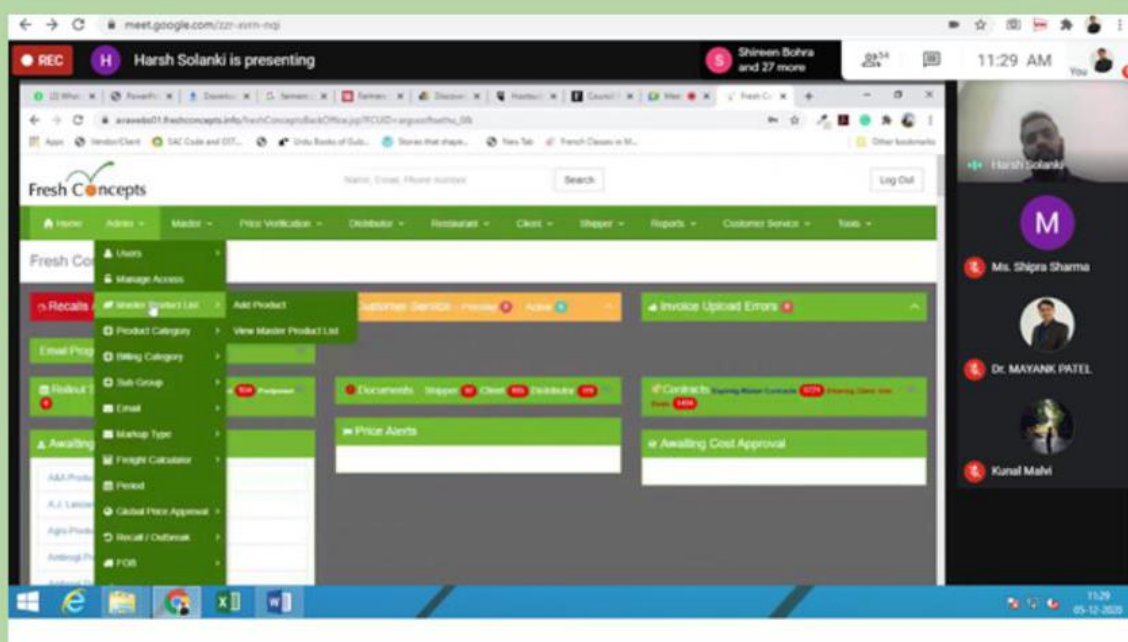
The program was inaugurated by Ms. Shipra Sharma, Asst. Professor by welcoming the cherished alumni and participants. In the welcome speech, Dr. Mayank Patel shared his views with the students that if they want to get career guidance, then attending such webinars would help them a lot and welcome our eminent alumni, Mr. Harsh Solanki. Sir also brief the importance of a strong alumni network.



Mr. Harsh Solanki has guided his juniors about various interview techniques and how to improve communication skills. Along with this, he has explained the importance of final year projects. He summarized the role of an IT person in various fields, several domains of expertise one can pursue one's professional growth. He also suggested gaining better knowledge during the curriculum. Mr. Harsh Solanki suggest juniors to study Java, Java scripts, and Node JS thoroughly as their company is hiring on these technologies. He also explains the current project "Fresh Objects" on which he is working in the organization. Students also inquired about placement opportunities in Argusoft and other organizations. Students have got a clear idea about the areas on which emphasis should be given to embrace the interviews in a better way. Mr. Harsh also has suggested various areas in which students can ensure the best career opportunities.



The project on which Mr. Harsh Solanki is working is given below -



Mr. Jitendra Sharma, Assistant Professor, CSE event coordinator summarized the outcomes of the online alumni interaction program and give a vote of thanks to our keynote alumni. All participants appreciated the department for organizing such type of webinars. The program was ended by taking a virtual group selfie.

After this program, juniors got knowledge about various interview techniques and how to improve communication skills. Along with this, he has explained the importance of final year projects.

Certificate of Appreciation:



Certificate

MS. ITY MEHTA (2012-2016 BATCH)

It was an online alumni interaction held on 26th December, 2020 between 11:00 AM-12:00 PM by Ms. Ity Mehta (2012-2016 Batch) Application Developer Analyst, Accenture Solutions, Mumbai. There was a total of 50 participants. This event was organized by the CSE alumni club and the Department of Computer Science. The event coordinator was Ms. Charu Kavadia. The event was held on the Google Meet platform.



Poster for Alumni Interaction

Inaugural Session:

In the inaugural session following were present.

1. Dr. Mayank Patel, HoD CSE, GITS
2. Ms. Charu Kavadia, Faculty Co-ordinator, GITS
3. Ms. Ity Mehta, Alumni Guest

The program was inaugurated by Ms.Charu Kavadia, Asst. Professor by welcoming the cherished alumni and participants. In the welcome speech, Dr.Mayank Patel shared his views with the students that if they want to get career guidance, then attending such webinars would help them a lot and welcome our eminent aluminum, Ity Mehta. Sir also briefed the importance and advantages of the strong alumni network.

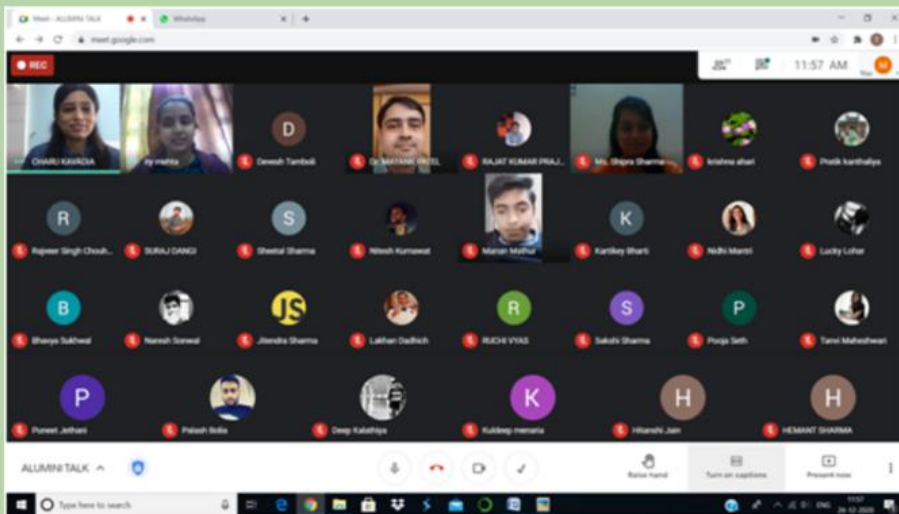
Interaction Brief:

Ms. Ity Mehta guided her juniors about various interview techniques and how to improve communication skills. Along with this, she explained the importance of the latest technologies. She summarized the role of aJAVA in various fields, several domains of expertise one can pursue one's professional growth. She also suggested gaining better knowledge during the curriculum. Ms.Ity Mehta suggests juniors to study Java and Python thoroughly as their company is hiring on these technologies.

Students have got a clear idea about the areas on which emphasis should be given to embrace the interviews in a better way. Ms.Ity also has guided them on how to apply for IT MNCs as a fresher.

Valedictory Session:

Ms.Charu Kavadia, Assistant Professor, CSE event coordinator summarized the outcomes of the online alumni interaction program and give the vote of thanks to our keynote alumni. All participants appreciated the department for organizing such type of webinars. Ms.Charu kavadia gives the certificate of appreciation to Ms.Ity Mehta for her valuable knowledge sharing with the students. The program was ended by taking the virtual group photo.



Outcome:

After this program, juniors get knowledge about various interview techniques and how to improve communication skills. Along with this they also get to know about applying in IT MNCs.

Certificate of Appreciation:



Certificate

SMART INDIA HACKATHON

Smart India Hackathon 2020 is the biggest technical competition of India. It is a non-stop product development competition addressed by Hon'ble Prime Minister Mr. Narendra Modi. The key organizers are MHRD, MHRD Innovation Cell, AICTE, Persistent and I4C. There were two categories Software and Hardware edition, where our students of Computer Science and Engineering from Geetanjali Institute of Technical Studies, Udaipur, Team ONE SHOT KILLERS:Saurabh Srivastava (Team Leader) (IV Yr), Milind D Jain (IV Yr), Vishal Jain (IV Yr), Harshita Jain (III Yr), AmishaSoni (III Yr), GautamAnand (II Yr)mentored by Dr.Mayank Patel (Asso. Prof), Mr. Latif Khan (Asst. Prof)participated in hardware edition 2020 targeting the problem for Agriculture and Rural Development, PS ID – MK99,where they innovated the solution for reducing farmer's problem due to animals.

The banner for the Smart India Hackathon 2020 Grand Finale Hardware Edition features logos of organizers MHRD, MIC, Persistent, and I4C, along with Platinum Partner AWS. It identifies the host as Geetanjali Institute of Technical Studies, Udaipur, affiliated to RTU, Kota and approved by AICTE, New Delhi. The event dates are 15-20 December 2020. The hardware title is 'SELF POWERED WILD ANIMAL INTRUSION DETECTION & ALERTING SYSTEM' under PS Bucket MK99 and Category GOVT. OF UTTARAKHAND. The team 'ONE SHOT KILLERS' is led by Saurabh Srivastava and includes members Saurabh Srivastava, Milind D Jain, Harshita Jain, Amisha Soni, Vishal Jain, Gautam Anand, Jatin Mishra, and Harshil Jain. Mentors Mr. Latif Khan and Dr. Mayank Patel are also listed. Partners include DEVNET, Intel, KPIT, and Communication Partners.

Round 1 –

The Internal Hackathon (Offline Mode)

Total 5 teams participated in internal hardware edition 2020 and 2 were shortlisted and around 246 proposals were sent on the same problem statement on SIH Portal.

Organisers





Darkness to Light

GEETANJALI INSTITUTE OF TECHNICAL STUDIES, UDAIPUR

(Affiliated to RTU, Kota and Approved by AICTE, New Delhi)



SMART INDIA HACKATHON

GRAND FINALE HARDWARE EDITION 2020

15th-20th December 2020

HARDWARE TITLE:
SELF POWERED WILD ANIMAL
INTRUSION DETECTION & ALERTING SYSTEM

PS BUCKET : MK99 **CATEGORY : GOVT. OF UTTARAKHAND**

Team Name: ONE SHOT KILLERS **Team Leader: SAURABH SRIVASTAVA**



SAURABH SRIVASTAVA



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TEAM MENTORS:



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Partners



Communication Partners



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Bits & Bytes

Round 2 –

Selection and Evaluation Round (Online Mode)

Based on the idea submission, total 5 teams of India from each ministry were shortlisted and were given the task to demonstrate their prototype and idea more efficiently to know whether the idea is practically feasible in which One Shot Killers presented and cleared the stage.

Later, the evaluations of the teams were done.

Round 3 – Screening Round (Online Mode)

Based on the proposed video simulation submissions, Our One Shot Killers Team was selected in one of the top 2 teams from India.

Round 4 – Grand Finale Round (Online mode Conduction)

The team had presented their idea in front of judges during 21st-24th Dec 2020 hardware edition and the results are to be published soon.



ARTICLES

YOU WILL NEVER THOUGHT THAT KNOWING CYBER SECURITY COULD BE SO BENEFICIAL!

- Veer Bhadra Singh Solanki
III Year, V Sem
Sec B

Cybersecurity refers to a set of practices for defending your machines like computers, mobile phones, electronic systems, networks, entire information technology (IT) infrastructure, including applications, hardware, software, and data from to attack, damage, or unauthorized access. In computers, the point of view protects the data and integrity of computing comprise both physical security and cybersecurity to protect against unauthorized access to data centers and also, prevent malicious attacks. Cybersecurity helps to target cyber criminals to stop cybercrime.

Three main reasons why we are trying to protect ourselves? Well the three main aspects we trying to control are:-

- 1.Unauthorized Access
- 2.Unauthorized Modification
- 3.Unauthorized Deletion



Types of Cyber Threats:

The main three cyber threats are as follows:

1. Cyber Attack: Brute force, targeted, and denial of service attacks that take your business offline or provide unauthorized access to your systems and data.
2. Cyberterrorism: Cyberterrorism is defined as the intentional use of computers, networks, and the public internet to cause destruction and harm for personal objectives
3. Cybercrime: Cybercrimes always opt for an easy way to make big money and target organizations like banks, casinos, and financial firms where a

huge amount of money flows daily and hack sensitive information.

List of Cyber Threat Vectors

1. Malware
2. Phishing
3. Password Attacks
4. Man in the Middle
5. Ransomware
6. Privileged Attacks
7. Sabotage (DDoS)
8. Rogue Software



Why is Cyber Security the best practice?

- Audit your existing IT ecosystem
- Use a risk-based approach to cybersecurity
- Implement robust identity and access management
- Implement Password Managers
- Take account of cybersecurity frameworks
- Employ vulnerability scanning
- Complete a gap analysis

Conclusion

Cybersecurity is necessary for all businesses which are on the internet. More skilled people in security helps the nation's response to this problem of cyberattack, Cyberterrorism, etc. I think our organization conducts events/webinars on cybersecurity and the prevention of attacks. In the above article I shared a brief of cybersecurity but please read about individual points and learn how cyber attacks implements and how we can prevent these attacks.

DIGITAL JEWELRY

- Sakshi Sanadhya
II Year, IV Sem
Sec B

Mobile computing is beginning to break the chains that tie us to our desks, but many of today's mobile devices can still be a bit awkward to carry around. In the next age of computing, there will be an explosion of computer parts across our bodies, rather than across our desktops. Jewelry is worn for many reasons – for aesthetics, to impress others, or as a symbol of affiliation or commitment. Basically, jewelry adorns the body and has a very little practical purpose. The combination of microcomputer devices and increasing computer power has allowed several companies to begin producing fashion jewelry with embedded intelligence i.e. Digital jewelry.

Digital jewelry is fashion jewelry with embedded intelligence. It can best be defined as wireless, wearable computers that allow you to communicate by ways of email, voicemail, and voice communication.

we shall go through how various computerized jewelry (like earrings, necklace, ring, bracelet, etc.,) will work with mobile embedded intelligence.

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The latest computer craze has been to be able to wear wireless computers. Best examples are smart watches etc. The “Digital Jewelry” looks to be the next sizzling fashion trend of the technological wave. In the next wave of mobile computing devices, our jewelry might double as our cell phones, personal digital assistants (PDAs) and GPS receivers.

The combination of shrinking computer devices and increasing computer power has allowed several companies to begin producing fashion jewelry with embedded intelligence. Today, manufacturers can place millions of transistors on a microchip, which can be used to make small devices that store tons of digital data. Digital Jewelry appears to be one of the biggest growing promotions of its time. Imagine being able to email your boss just by talking into your necklace. The whole concept behind this is to be able to communicate to others by means of wireless appliances. The other key factor of this concept market is to stay fashionable at the same time.

Cell phones will take a totally new form, appearing to have no form at all. Instead of one single device, cell phones will be broken up into their basic components and packaged as various pieces of digital jewelry or other wearable devices. Each piece of jewelry will contain a fraction of the components found in a conventional mobile phone. Together, the digital-jewelry cell phone should work just like a conventional cell phone.

The various components that are inside a cell phone are Microphone, Receiver, Touchpad, Display, Circuit Board, Antenna, Battery.

Here are the pieces of computerized-jewelry phone and their functions:

- Earrings – Speakers embedded into these earrings will be the phone's receiver.
- Necklace – Users will talk into the necklace's embedded microphone.
- Ring – Perhaps the most interesting piece of the phone, this "magic decoder ring, is equipped with light-emitting diodes (LEDs) that flash to indicate an incoming call. It can also be programmed to flash different colors to identify a particular caller or indicate the importance of a call.

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- Bracelet – Equipped with a video graphics array (VGA) display, this wrist display could also be used as a caller identifier that flashes the name and phone number of the caller

The applications of Digital Jewellery are:

- **JAVA RING:** Java Ring is a finger ring that contains a small microprocessor with capabilities for the user. Java ring is a sort of smart card that is wearable on finger. Java ring is a stainless steel ring, 16 millimetres in diameter. Java ring is extremely secure Java powered electric token.
- **IBM RING:** The IBM magic decoder ring is a mouse ring, IBM is developing that will use the IBM trackpoint technology like one embedded in laptop keyboard to wirelessly move cursor on computer monitor. There is a little black ball, look like a pearl the user will rotate or turn around to move the cursor.



CONCLUSION

The concept behind this digital jewellery is to have a smart devices that are wireless and always on while remaining attractive to people. It is nothing but broken pieces of components inside the mobile phone which are repackaged as a jewellery that can be worn out. The fundamental idea will later resolve into total elimination of computer on one's desk but lead to situation where computer will be worn on the body. We are gradually moving to the fifth generation computers which are portable, small to be a part of people's dressing. However this small computing devices offer limited interaction capabilities compared to a computer or even a phone. "By the end of this Decade, we would be wearing our personal computers instead of sitting in front of them."

UNTIL NEXT TIME....

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