DEPARTMENT VISION

"Engendering competent, excellent professionals by transforming the knowledge and computing skills to individuals through modern innovative tools and techniques"

DEPARTMENT MISSION

1. To produce skilled, creative software developers through rigorous training.

2. To conduct specific technical courses to keep abreast to the latest technological developments and transformations in the domain.

3. To establish Industry-Institute Interaction programs to enhance the skills of employability and entrepreneurship.

4. To implement the ideas of research and innovations in interdisciplinary domains.

KEY NOTES

1. Technical Talks

2. Technical Activities

3. Internship Program

4. Workshops

5. Faculty development Program

6. Placement training

7. Placement News

EDITORIAL BOARD:

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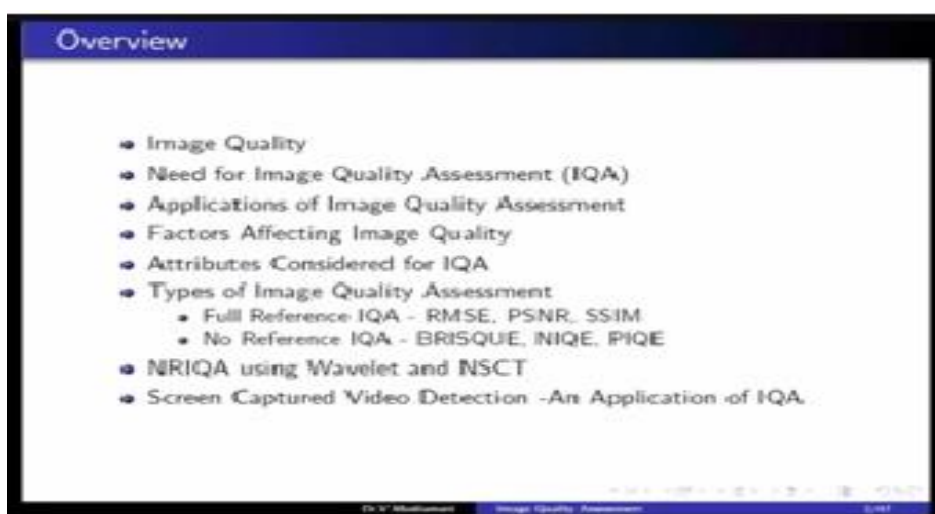Dr. MANJUNATH KOTARI
M.Tech.,Ph.D
PROFESSOR & HOD

Message from HOD

Congratulations to the Bit & bytes editorial team for bringing the 4th Volume of e-News Letter with some special events in this 2020-21 ODD Semester. After the lockdown department has started with blended mode of teaching learning process. Faculty members used both online/offline mode for their teaching process in the beginning of this academic year. Students were enthusiastically came and attended the offline classes 100% and successfully completed their regular activities like Technical Fests, Workshops, Bootcamp pre-placement training, Alva's Technothon-2020, Coding events, Competitions etc.

On behalf of the department, I would like to thank all the staffs and the students for your support towards the better of the department. Also, I wish Bit & Bytes editorial team all the very success.

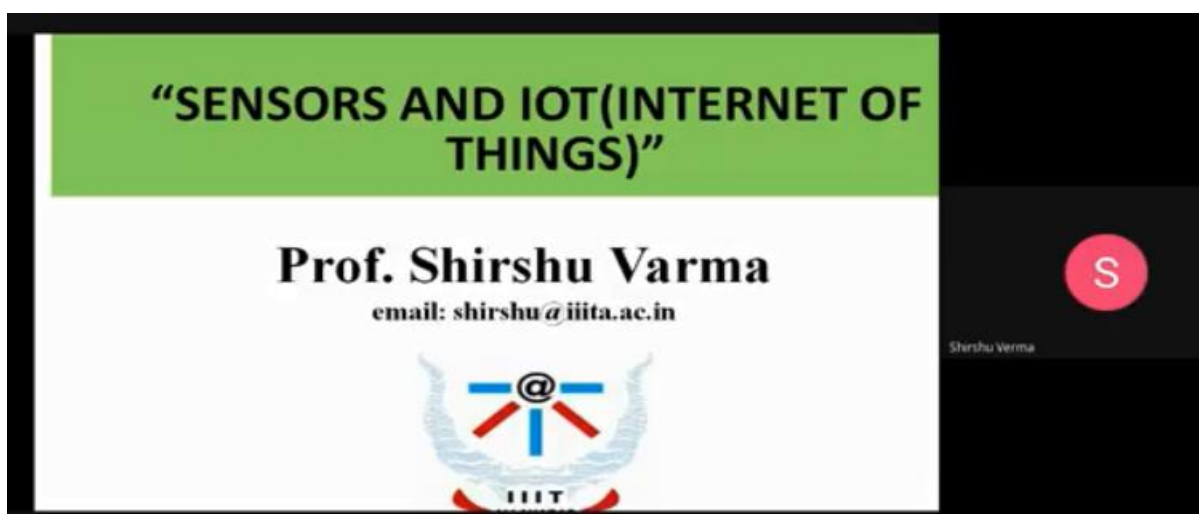# Technical Talks

1. Image Quality and Applications

Date & Venue: 9th November 2020, Google meet
Resource Person: Dr. Masilamani V Associate professor, IIIT Kancheepuram

Dr. Masilamani V explained about image quality and its applications. He also covered the need for image quality assessment, factors effecting image quality, attributes considered for IQA, types of image quality assessment etc. He explained that Image quality can refer to the level of accuracy in which different imaging systems capture, process, store, compress, transmit and display the signals that form an image. The process of determining the level of accuracy is called Image Quality Assessment.

He briefly explained about the types of image quality assessment, applications of image quality assessment like telecommunication, industry automation, security and surveillance etc. He also explained about factors which are affecting image quality are like compression, low quality camera lens, distortion etc. Practical session was conducted by Kiruthika S for processing the image in MATLAB and Python. Read, write and predefined image quality measures available in MATLAB was explained by her.

2. Sensors and IoT

Date & Venue: 10th November 2020, Google meet
Resource Person: Dr. Shirshu Verma, IIITA

The resource person Dr. Shirshu Verma ,IIITA , has explained about IoT basics and challenges encountered while using IoT. He has started the session with introduction to concept and path to IOT, where he has given brief introduction about sensor network, elements of sensor network and about WSN.

He also explained about tools for WSN and major applications about WSN. He then explained about fundamentals of IoT. During the session students learnt about different layers of IOT, models of IoT like reference model, domain model, information model, functional model etc. Dr. Shirshu Verma also covered some of the IoT applications. Later he explains about IoT vs IIoT. Dr. Shirshu Verma explained about how IoT helps in covid 19. Especially things such as Sensor based doors at entry and exit, automatic sanitizer dispenser, wearable, contact lens attendance marking, contact less payment etc. He has shown various experimental results and also its analysis. From the analysis he has explained degree of irregularity calculation and factor on degree of irregularity.

3. Emotional Intelligence & Intelligence Quotient

Date & Venue: *11th November 2020, Google meet*

Resource Person: Dr. Pragya Singh, Assistant Professor, Department of Management Studies.
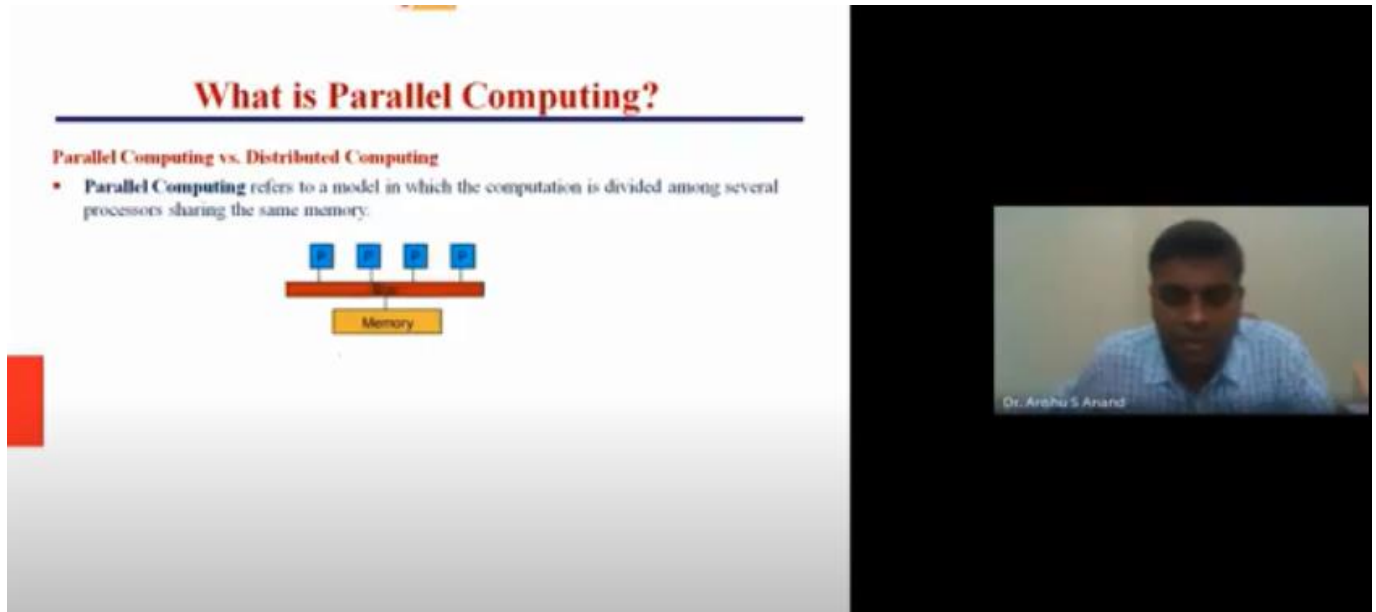
Dr. Pragya Singh started the session by explaining about emotions, which is derivations of five core feelings- happiness, sadness, anger, fear & shame, emotional awareness & understanding are not taught in school. Emotional intelligence is the ability to recognize and understand emotions in ourselves and others, and also ability to use this awareness to manage behaviors and relationships. Emotional intelligence is something in each of us that is bit tangible. It affects how we manage behaviors navigate social complexities and personal decisions. EQ is a flexible skill while personality does not change. IQ, EQ and personality assessed together are the best way to get a picture of the whole person.

Dr. Pragya Singh also explained that understanding emotional intelligence requires four skills i.e., self-awareness, self-management, social awareness, relationship management. She explained how these four skills play an important role in understanding emotional

4. Parallel Computing

Date & Venue:*12th November 2020, Google meet*

Resource Person: Dr Anshu S Anand, Assistant Professor Iiia Allahabad.

Dr. Anshu S Anand started the session by explaining what is parallel computing. He stated that " Parallel computing refers to the process of breaking down larger problems into smaller, independent, often similar parts that can be executed simultaneously by multiple processors communicating via shared memory, the results of which are combined upon completion as part of an overall algorithm".

Dr. Anshu S Anand explained about brief History of parallel computing. Today, parallel computing is becoming mainstream based on multi-core processors.

The reason is that increasing performance through parallel processing can be far more energy-efficient than increasing microprocessor clock frequencies.

He also listed and explained about different challenges which should address by designer and they are Amount of Parallelizable CPU-Bound Work, Task Granularity, Load Balancing, Memory Allocations and Garbage Collection, False Cache-Line Sharing, Locality Issues and many more.

5. INTERACTION SESSIONS
TEKSYSTEMS

Date & Venue:*12th November 2020, Google meet*
Resource Person: Dr Anshu S Anand, Assistant Professor Iiia Allahabad.

The Technical Talk-5 2020-21 was an interaction session with Mr. Srivatsa Nagarajaiah, he is working as a Director, Recruiting at TEK systems Global Services, in association in training and Placement department. The talk started by introducing Mr. Srivatsa Nagarajaiah by Mr. Sushanth Anil Lobo, Head, Training and placement. He also mentioned the reason behind arranging the talk with Mr. Srivatsa and need of understanding the structure of interview to the students.

The talk was continued by Mr. Srivatsa where he spoke about the company, and how he started his career, which inspired the students.

He mentioned that Transformation doesn't happen in a silo. Business success demands broad vision and capabilities. The company is with a full spectrum of technology solutions, client-friendly and flexible. The company constantly track the top talent in every market, across every line of business and within every niche, so they can bring the people and skills you need when you need them without compromising quality. He explained the environment of the company by giving a small comparison between Tek systems and other MNC's. In TGS the employee will not lose his identity unlike other companyes.

Technical Activity

1. C Kaliyona

Department of Computer Science and Engineering had organized a workshop named C Kaliyona for Mechanical students. Intended to make the students of 2nd Year Mechanical engineering stream of Alva's Institute of Engineering and Technology familiar and confident in C Programming Language and create opportunities for them to take part in placements for IT companies. With the support of Head of departments of CSE and Mechanical streams, the workshop was setup successfully.

C Program is considered to be the fundamental language that is a "must to know" subject all over the globe. The day 1 of the workshop was kick started with a short inauguration by both the Head of departments. HOD's of CSE branch and Mechanical branch spoke about the importance of learning C programming language.

The day 1 of the workshop started off at 2:30pm. Ms. Priyanka, student of Third year, CSE, handled the session. Introduction about C programming. She discussed and demonstrated the following concepts related to basic of C such as Structure of C, Data Types, C Tokens, Rules of Identifier, Operators.

The day 2 of the workshop started off at 2:30pm. Mr. Laxman and Ms. Archana J C, student of final year, CSE, handled the session. She covered the following concepts by giving demonstration of each subject like Revision of day 1, Control Statements, Arrays.

The day 3 of the workshop started off at 2:30pm. Ms. Viha B Raju, student of final year, CSE, handled the session she taught the concepts of using Array to solve real world Problem.

2. WarTecX-2021

WarTecX-2021 was an inter-branch technical fest conducted by Tech-Club in association with CSI forum of Computer Science Department, AIET. WarTecX-2021 gathered all the curious and engineering minds of different branches of AIET.

WarTecX-2021 was conducted on 8th & 9th January 2021 at AIET main campus. The function was inaugurated by Mr. Srivatsa Hullahalli Nagarajaiah, Director-Recruitment TEK System Global Services, Bangalore and with the presence of Mr. Vivek Alva, Dr. Peter Fernandes, Dr. Manjunath Kotari, Mr. Hemanth Kumar N P, CSI Student Chapter members and Tech-Club Event

Co-Ordinator's. There were 10 events which was a collaboration of both Technical and Semi-Technical Events. Around 485 students from AIET took part in various events.

The Event lists and Winners of WarTec-X 2021:

Sl. No	Event List	Event Description	No. Of Participants	Winners
1.	Web-X	To Develop A Website	65-Teams	1ST- AIET(CSE) 2ND – AIET(CSE)
2.	Mobi-World	Mobile App Development Using Android or iOS Platform	16 Teams	1ST- AIET(CSE)
3.	Hack-It- Demo	Ethical Hacking	20 Teams	1ST – AIET(EC)
4.	Mech-3d	Mechanical 3d Designing	10 Teams	1ST –AIET(ME)
5.	Arch-X	Structural Designing	15 Teams	1ST- AIET(CV)
6.	PCB- Designing	PCB-Designing For EC- Students	20 Teams	1ST-AIET(EC) 2ND -AIET(EC)
7.	Photography	Photography with Editing	80 Participants	1ST- AIET(IS) 2ND-AIET (AI- ML)
8.	Videography	Videography with Editing	23 Participants	1ST- AIET(IS)
9.	Mock- Interview	Special Event For First Year Students	53 Teams	1ST- AIET(CSE) 2ND- AIET(C-2)
10.	Hackathon	Solving the Real-world Problem	32 Teams	1ST- AIET (CSE& IS)

The organizing of WarTec-X 2021 bought a very good bonding among all the four batches of Computer Science branch. The event was a huge success in terms of participation from AIET, in coming years many more technical and semi-technical events can be added up. Many students from the 1st, 2nd, 3rd and 4th years took the initiative to conduct the particular event with the good participation spirit and with the support of the Management, HOD and Faculties of CSE, AIET.

3. Linux Awareness

Department of Computer Science and Engineering organized a Linux Awareness session for 1st year students of Academic Year 2020-21 by Tech Club members on 18/12/2020 and 19/12/2020 for Chemistry cycle and 1/01/2021 and 2/01/2021 for Physic Cycle.

Linux is open-source operating system whereas Windows OS is commercial. Linux has access to source code and alters the code as per user need whereas Windows does not have access to source code. In the session basics and Introduction to Linux was being taught for the students along with hands-on-session. The entire session was very interactive and useful to the students since, they were completely new into Linux Platform. A simple command of Linux was taught in the entire session in Ubuntu platform. The session also highlighted how Linux is better than any other operating systems.

4. HTML Awareness

Department Of Computer Science and Engineering from Tech Club had organized a HTML Awareness session for all chemistry cycle, 1st year students of Academic Year 2020-21 from 4/1/2021 to 6/01/2021. Session was inaugurated by Manjunath Kotari, HOD, Dept. Of CSE and Tech club in-charge Mr. Hemanth Kumar NP.

In this session students of around 14 students of 3rd year CSE, gave introduction about the Web Technology Introduction. Web servers and web browsers are communicating client-server computer programs for distributing documents and information, generally called web data, over the Internet. Web data are marked up in the HTML language for presentation and interaction with people in web browsers. Students also explained the brief history of HTML and then thought them the basic of HTML which included structure of HTML, the basic tags such as heading, paragraph and break. They also learnt to make the web page by adding font colour and background colour tags and also different types of marquee tags. They also gave awareness about how to insert the images and videos to make web pages more attractive. There was hands-on session along with explanation through which they learnt to create login page.

Internship Program

As Internships are beneficial because they help to develop your professional aptitude, strengthen personal character, and provide a greater door to opportunity. Department is encouraging the students to apprehend internship program during their semester break. HOD, TOP and Faculties help the students by interacting with the industrial experts, provide the students recommendation letters and other necessary supports.

The HOD and Dean (Planning) constantly interacted with the Academic Collaboration/MOU related organizations and request them to provide necessary guidelines and support for internship. Due to Covid-19 Pandemic situation students were suggested to complete online internship. TCS-iON provided 30 to 45 days internship for 2nd and 3rd year students by providing group projects.
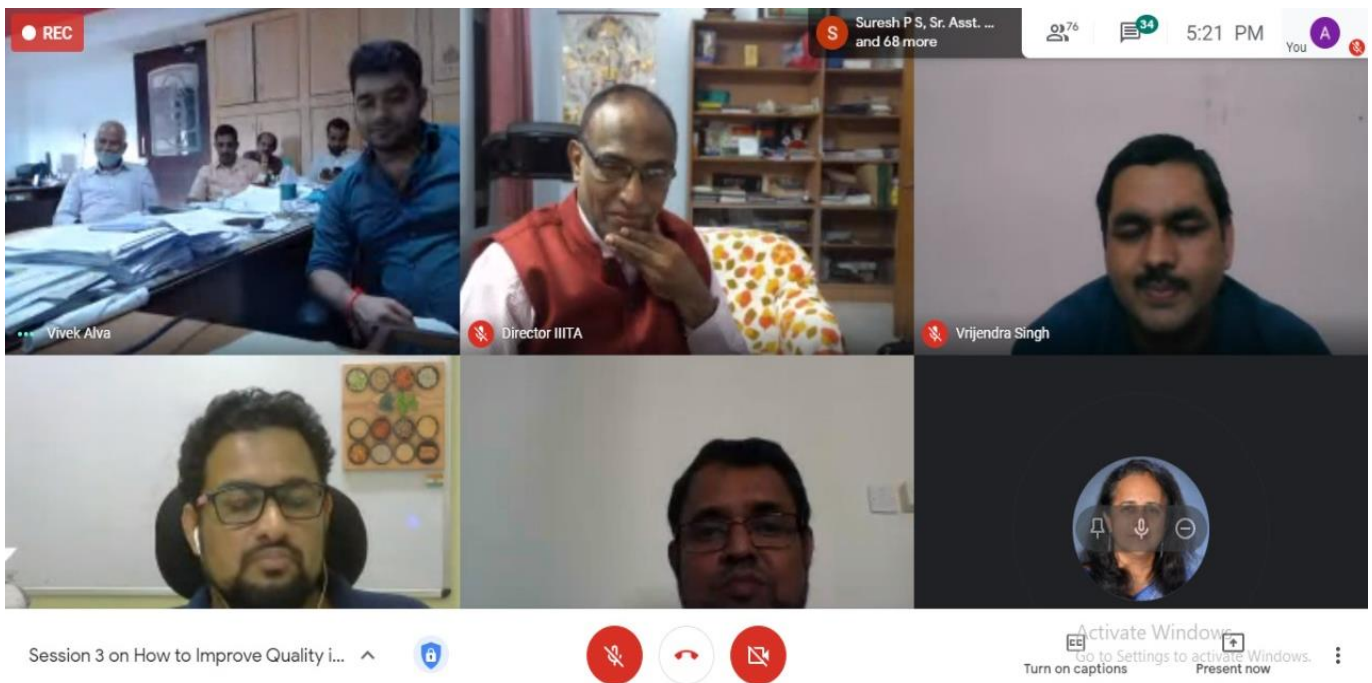
04 ▶

Workshop

1. Alva's Technothon 2020

Alva's Institute of Technology (AIET), Moodbidri, has taken an initiative to educate the students of AIET in the Latest trends in Computer Science and Engineering – A 21 Day Technothon, in collaboration with IIIT, Allahabad. Dr. P. Nagubhushan, Director, IIIT, Allahabad, a personage in Computer Science and Engineering, threw light on the topic – "Problem solving with intelligent systems" to the final year students of Computer Science and Engineering and Information Science and Engineering on 23-10-2020.
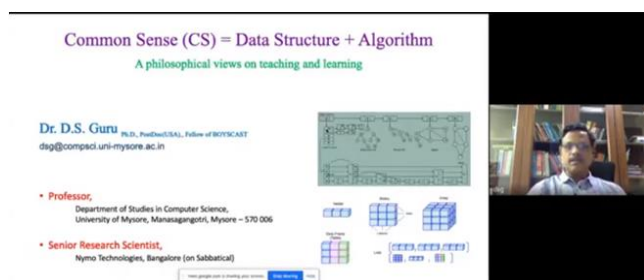

In his key note address of the inaugural function, Dr.P. Nagabhushan, spoke about the requirements that enhance the current education system. The present systems of selecting the students for HEIs are purely based on an entrance test. After inauguration Dr. Nagabhushan addressed students on efficient human learning in making make machine learn. Human problem solving involves search. Therefore, to simulate human problem solving in a computer we need to develop algorithms for search.

On day 2 of the Technothon, the students presented the solutions to the assignments given. Mr. Sanjay Kumar Sonbhadra was the in charge of the session and listened to all presentations patiently and clarified the doubts and suggested corrections in the presentation.

On day 3, resource person Dr. Sharad Sinha, Indian Institute of Technology, Goa. gave an overview of Computer Architecture and some MIPS assembly programs were discussed.

On day 04 of the Technothon, the students presented the solutions to the assignments given. Prof. Pavithra research scholar IIIT Allahabad was the in charge of the session.
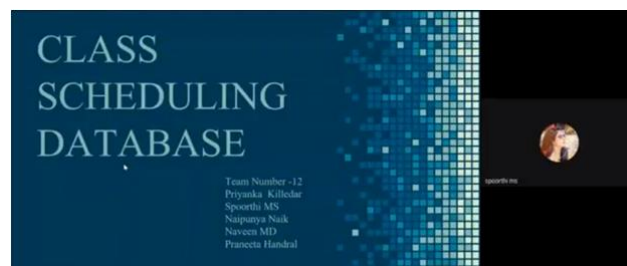

Day 5 Was on The Concepts of Problem Solving with Data Structures by Prof D.S. Guru, University of Mysore The Session Started with The Proverb Saying "Neither Algorithm nor Data Structure Alone Has Meaning Without the Other."

Day 6 Students completed and

presented their assignment in-front of the Vinay Kumar.

Day 7 was on by Prof. B H Shekar, Mangalore University. He gave a brief introduction about the different topics of DBMS was discussed such as Characteristics and Advantages of DBMS, Entity Relationship, Schema, Relational Schema, Types of Attributes, ER diagram, Enhanced Entity Relationship Model, etc.
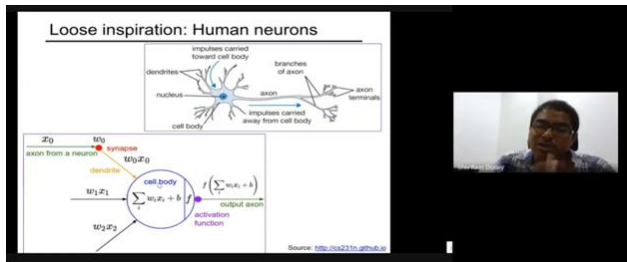

On day 8 Students solved the assigned tasks to their teams and successfully presented the solved assignments in presence of Shekar sir and his Research Scholars.
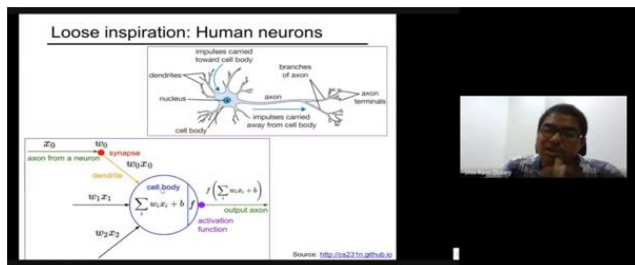

On Day 9 session began with Introduction to Machine Learning by Dr. K.P. Singh, IIITA. He explained about supervised and unsupervised learning with examples. He also gave detailed

explanation along with suitable problem for Validation and test sets, Pitfalls.

Day 10 was Hands on session on Machine Learning concepts conducted by Mr. Lal Upendra Pratap Singh, Research Scholar, IITA.

Day 11 was addressed by the resource person was Dr. Shivram Dubey, IIIT, Sri City. Dr. Shivram Dubey, threw light on the topic – "Neural Network and Deep Learning Foundations" In the session he laid the foundation by giving the introduction to basics of machine learning to make students understand the concepts of neural network.
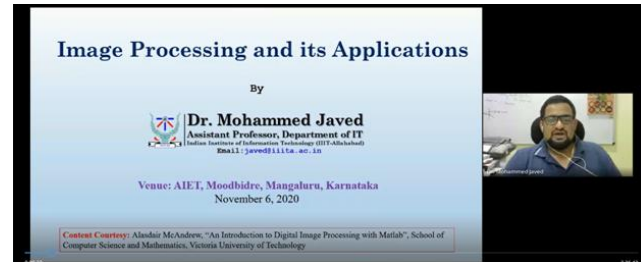

On day 12 Mr. Albert Mundo, PhD Scholar, IIITA with Nanda Kumar Yadav, IIIT Allahabad, gave hands on experience to students to carry out the assignments given.

Day 13: A technical session on the topic 'Big Data Analytics' was presented by the IIIT- A professors Dr. Sonali Agarwal and Dr. Manish Kumar explained about Big data concepts such as 4Vs

involved in Big data analytics, Types of Data, Cyber Physical System (CPS) etc.

On day 14 students presented the solution to the assignments given. The research scholar has helped the students to work out the problem and solve them.

Day 15: Session was on Image Processing. The main theme of the session was to learn the philosophy behind image processing. Dr. Mohammed Javed enlightened the students with explaining how powerful the picture is and also the advantage of the image processing in real life. Mr. Bulla Rajesh gave demonstration on how to use MATLAB software and also hands on session were conducted successful by briefing the concepts with example in MATLAB software.

On day 16, Students presented the solutions to the assignments given in-front of Mr. Bulla Rajesh.
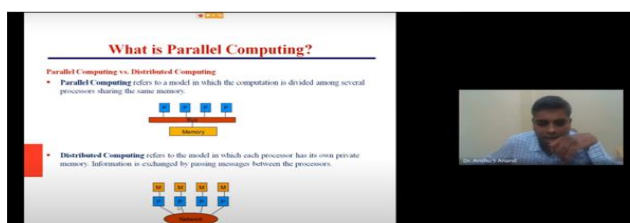
Day 17: The session was presented by Dr. V Masilamani. The session started with introduction to image quality assessment, Need for Image Quality Assessment, Applications of Image Quality Assessment, Factors affecting Image Quality.

Day 18: The session was on Sensors and IoT. The resource person Dr. Shirshu Verma, IIITA. He started the session with introduction to concept and path to IOT, where he has given brief introduction about sensor network, elements of sensor network and about WSN. IoT basics and challenges encountered while using IoT.

Day 19: The session was presented by Dr. Pragya Singh, Assistant Professor, Department of Management Studies, IIITA, she started the session by explaining about emotions, which is derivations of five core feelings-happiness, sadness, anger, fear & shame, emotional awareness & understanding are not taught in school. EQ is a flexible skill while personality does not change.IQ, EQ and personality assessed together are the best way to get a picture of the whole person.

Day 20: The session was by Dr Anshu S Anand, Assistant Professor IIIT Allahabad, session began with the brief introduction about what is parallel computing, its brief history, Application, Comparison between latency and bandwidth, Process of harvesting multi-core, why parallel program is difficult and its challenges.

Finally, on Day 21, session was concluded by the valedictory program. All the Resource Persons and Research scholars, Vivek Alva, Managing Trustee, Principal Peter Fernandes and HOD of the Computer Science and ISE dept. Along with all the dept. Staff attended the valedictory. HOD of Computer Science department briefed about the 21 days session and Top 2 teams who scored max marks in assignment. Students also gave oral feedback about the Technothon program.

All the students were very much enthusiastic as it was an innovative and new approach of teaching and learning from AIET in association with eminent personalities from IIIT, Allahabad.

2. How to Crack Tech Gaints

Department of Computer Science and Engineering organized a webinar on How to crack Tech Gaints on 20th November 2020. Resource person for the session was Shashank Mishra, Data Engineer, Amazon.

Following are the gist of content delivered and discussed in the webinar.

How to Write actual code that works, not pseudo code, opt for a mainstream programming language such as Java, C/C++, Python, JavaScript. How to Practice coding on a paper and need for Writing a clean code, Use of good names for classes/functions/variables. Show good modularity (classes/functions). Use of proper algorithms and data structures and make sure to state Big-O for all of them. When first approaching a problem makes sure you understand the task. Repeat it to show that to yourself and the interviewer. Don't begin by writing code immediately. Think about the task, inputs, assumptions, formats; most questions are under specified on. Start with a simple example; later add detailed ones, Clarify the function signature of the problem early on. This will help focus your thoughts, and possibly invite subtle guidance from your interviewer. Start with a simple inefficient solution, to improve the inefficient one Break down the problem to parts.

3. British Council IELTS

British Council IELTS is The International English Language Testing System (IELTS) which is the world's most popular English language proficiency test for higher education and global migration. A Webinar on IELTS Orientation session was conducted only for the students who are planning for Higher Studies. Third and final year students of AIET attended the Orientation session on 4/12/2020 from 3pm to 4pm.
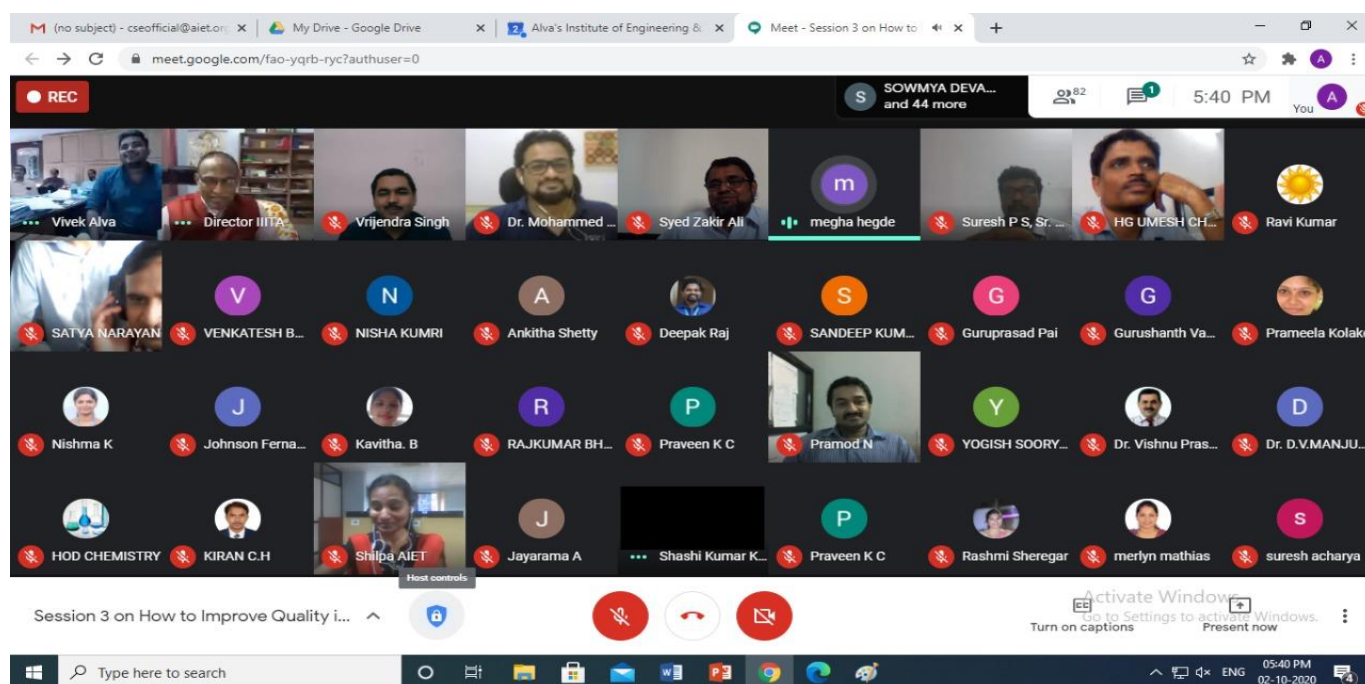

In the session, what is IELTS test and Importance of IELTS Test was discussed. IELTS– is the world's most popular English language test. IELTS is one of the pioneering English language assessments developed by the prestigious University of Cambridge and offered by the British Council. The test has been setting the standard for English language testing and is trusted by countries for both academic and immigration purposes. It is developed by some of the world's leading experts in language assessment and evaluates all of your English skills reading, writing, listening and speaking and language assessment. It has an excellent international reputation and is accepted by over 10,000 organizations worldwide, including schools, universities, immigration authorities, professional bodies and employers.

▶ Faculty development Program

05

1. "How to Improve Quality in Teaching Learning Process"

Department of Computer Science and Engineering in Association with IIIT Allahabad had organized a 2 days online FDP on "How to Improve Quality in Teaching Learning Process" on 02nd October 2020 and 3rd October 2020for **all AIET internal faculties of various departments**.

The workshop was inaugurated by Mr. Vivek Alva, Managing Trustee, Alva's Institute of Engineering and Technology and Dr. P Nagabhushan, Director, IIIT, Allahabad for the inaugural session all the HODs of various departments, all staff members and Resource persons were present.

First session was by Dr. P Nagabhushan, Director, IIIT, Allahabad. He addresses the gathering by his motivational talk and explained about some thoughts for better teaching learning process under affiliated constraints. He suggested that teacher should always give equal importance to all the topics while teaching. Teacher should be clear about the topic which he/she is going to teach in the particular class. Second session was by Dr. Syed Zakir Ali, Middle East College, Oman, and Muscat. He explained about Continuous Assessment –Some Experience to Improve Quality in

Teaching Learning Process. He also explained about Preamble to assessments in affiliated Engineering Colleges, Challenges and problems associated with such assessments, what happens in the Continuous Assessment, how it will happen and What learning process will help in Continuous Assessment. He concluded the session by explaining how teachers need to proactive in building up the career of their students.

2. National Education Policy – Role of Teachers in Higher Education

Alva's Institute of Engineering Technology hosted a one-day online webinar on National Education policy – Role of Teachers in Higher Education on December 5, 2020 for all the internals staff members. The chief guest/ Resource person for the talk was Dr. K. Reddy, Chairman of ITC's Board of Governors, NITK, Surathkal. The webinar was inaugurated formally by Mr.Vivek Alva, Managing Trustee, AIET, Mijar. Dr. Peter Ferenandes, Principal and all the Dept. HOD's and Faculties were present during the inauguration.

Dr. K Balaveera Reddy gave awareness about the National education Policy, which is proposed by the Ministry of Human Resource, Govt. Of India. He spoke about the Current education Policy in Higher education and the changes suggested by the NEP scheme. Following are the gist of content he talked about.

Purpose of an NEP is a comprehensive framework to guide the development of education in the country. The policy also proposes phasing out of all institutions offering single streams and that all universities and colleges must aim to become multidisciplinary by 2035. Major recommendations of the NEP in higher education? Are, Replacing the UGC and the AICTE with the Higher Education Commission of India. Opening up Indian higher education to foreign players. Reintroduction of the four-year multi- disciplinary Bachelors programme, with exit options.

06 ▶ Pre-Placement Training Program

Pre-placement training was organized for final year students which focused on current industry concepts as well as training for placement. Pre-placement training focused on over all development of candidate in order to prepare for various placement drives. The students were divided into two batches B1 batch and B2 Batch.

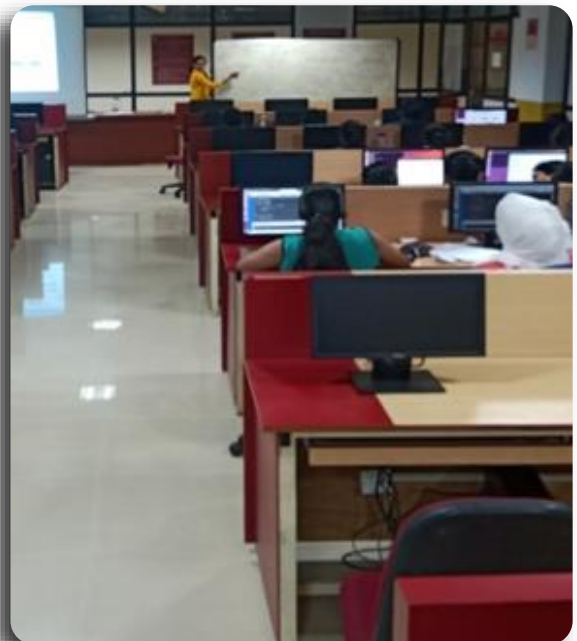The following aspects are included and conducted in the training.

Developing Logics through Advanced data structures using Python:

Four days training on Developing Logics through Advanced data structures using Python was conducted for B1 batch students. The resource person of this training are Dr.S.Mohideen Badhusha, Ankitha Shetty, Shilpa, Megha Hegde, Vidya, Manjunath H R, and Pradeep Nayak.

Data Structures and its Applications using C:

Two days training was conducted on Data Structures and its Applications using C language for final year students in Boot camp. Session was started by Mrs. Jaishma Kumari. The training started with introduction to Data Structures and basic concepts of arrays. Mrs. Merlyn continued the session with the concepts of Pointers and Structures. Mr. Venkatesh trained on how to write the recursive procedures for a given problem and it was compared with iterative solution.

Java Programming:

Two days training was conducted on Java programming for final year students in Boot camp from 6-10-2020 and 7-10-2020 (9.30 AM to 1.00 PM and 2.00 PM to 4.45 PM). First Session was started by Megha Hegde, explained basic concepts starting with data types, array, different types of operators, different types of conditional statements. The second session was conducted by Ms. Shilpa, which was on the introduction to classes and objects, followed by OOPs principles/features like Encapsulation, Abstraction, Inheritance. The third session was conducted by Mr. Sayeesh, which was on interview related questions on basics, classes and objects, Inheritance, Polymorphism, Super keyword, Final keyword, this pointer.

Web Programming:

Two days training was conducted on web programming for final year students in Boot camp from 6-10-2020 and 7-10-2020 (9.30 AM to 1.00 PM and 2.00 PM to 4.45 PM). In the First Session Dr. Kiran B. Malagi, introduced students to history of internet and WWW, basic terminologies and advanced techniques of Web programming. Second session was by Mrs. Vidya, introduced the Cascading Style Sheet (CSS) concepts to Students. Mr. Abdul Khadar, covered the topics on Bootstrap.

.Net Programming with C#:

Four Hours training was conducted on Dot NET Programming by using C# language for final year students in Boot camp on 13th October 2020 from 9.30 AM to 1.30 PM. The session was handled by Mr. Venkatesh, sessions was divided into two types of applications namely Console Applications and Windows Forms Applications.

Oracle Assessments:

Two days training and assessment sessions are conducted on 13th October 2020 and 15th October 2020 by Hemanth Kumar N P, Shruthi Shetty J, and Sharan

Operating System:

The training session on Operating System was conducted by Mr. Sayeesh on 14th October 2020 from 9.30 AM to 11.00 AM.The session was started with the functions of operating system, followed by types of operating system. Next discussed about process scheduling, why process scheduling is required, and various scheduling algorithms with examples.

Computer Networks:

The training session on Computer Networks was conducted by Ms. Ankitha Shetty on 14th October 2020 from 11.00 AM to 12.30 PM. Computer Network Introduction, OSI Model, TCP/IP Model, IP Address and its Classes, Firewall, DNS,

Internet of Things:

The training session on Internet of Things was handled by Mr. Nagesh U B, Asst. Professor of Department of ISE AIET on 14th October 2020 from 2.00 PM to 5.00 PM for the final year students in the bootcamp training periods. He discussed about Evolution of IoT, Architecture of IoT- three and 5 layered architectures. IoT technology stack- various hardware device used as gateways, Sensors and actuators for IoT interface, Cloud architecture.

Project Guidance:

The training session on Project – Avenues, Processes & Challenges was handled by Dr. Manjunath Kotari, Professor and Head, Department of CSE on 16th October 2020 from 9.30 AM to 11.00 AM for the final year students in the bootcamp training periods. He explained the importance of doing the projects, Phases of Project Design & Implementation, designing the database, designing the User Interface, software design using UML diagrams, and modular design.

Data Mining:

The training session on Data Mining was handled by Veena M, on 16th October 2020 from 11.00 AM to 1.00 PM for the final year students in the bootcamp training periods. Started by giving the introduction to Database, need for database, Database Management Systems, purpose of DBMS and explained how to discover knowledge hidden in data using Data Mining (DM).

Tensor flow:

Mr. YathishKuntadi conducted one day training about Tensor flow on 17th October 2020 during bootcamp training for final year students. Tensor Flow is an end-to-end open source platform for machine learning. It has a comprehensive, flexible ecosystem of tools, libraries and community resources that lets researchers push the state-of-the-art in ML and developers easily build and deploy ML powered applications.

Programming with C and Data Structures with C:

Q-Spider Training Software Institute, Bangalore in association with Department of CSE has conducted a Thirteen days hands-on training on hidden tricks on C Programming Language and Data Structures with C from 21st September 2020 to 5th October 2020. Mr. Shariq was the trainer during these days. About 136 final year students were trained by above resource persons. Mr. Shariq trained the students with interview-based questions, some MCQs and some techniques used in C and Data Structures concepts.

07 ▶ Placement News

TCS

1. Amrutha M
2. Bhramari P Shetty
3. Shetty Disha Ravindra
4. Shrilatha K Kamath
5. Vidya K C

Infosys

1. Akshat Khandelwal
2. Dsouza Elston Ronald
3. Kanaka B S
4. Sushmitha

SLK software

1. Akshat Khandelwal
2. Preethi
3. Shetty Disha Ravindra
4. Shwetha M S
5. Vidya K C
6. Sahana C

Cognizant

1. Amrutha M
2. Anusha
3. Apoorva K N
4. Bhramari P Shetty
5. Madan G Gudigar
6. Netra Suresh Gudagamnala
7. Pranav L M
8. Priyanka Killedar
9. Shetty Sathvik Ravindra
10. Syed Hudaif Ibrahim
11. Viha B Raju
12. Vikas A L
13. Sinchana

Robosoft

1. Jagath Haren
2. Shetty Sathvik Ravindra
3. Shrinivasa
4. Vikas A L

Gain-insights

1. Dhanya Bhat
2. Jayraj Chirag Kumar shah
3. Naik Nayana Ganapati
4. Suman Rathod

Legaldesk.com

1. Akshata Narayana Hegde
2. Ashwini
3. Dheeraj Krishna Devadig
4. Jayalakshmi M
5. K Thrishul
6. Vinod Kumar

Informatica

1. D Jasmine Joyline
2. Shetty Ankit Suresh

Health Edge

1. Bhramari P Shetty
2. Syed Hudaif Ibrahim

Placement News

EY
1. Kanaka B S
2. Koushik S N
3. Likitha M
4. Raksha S
5. Rohan Mahaveer
6. Viha B Raju
7. Nachiketh S Bhat

Hexaware
1. Anusha

NTT Data
1. Sushmitha B Poojary

Tek System
1. Jagath Haren

42 gears mobility
1. Anusha

Program Specific Outcomes (PSO)

A graduate of the Computer Science and Engineering Program will exhibit:

PSO1: Professional Skills: The ability to understand & implement the computer programs in the areas of Computer Architecture, System Software, Database Management Systems, Web Design, Multimedia and Computer Networking.

PSO2: Problem-Solving Skills: The ability to solve real-world problems by suitable mathematical model with strong technological concepts in rapidly growing arena of computer technology.

PSO3: Successful Career and Entrepreneurship: Knowledge in diverse areas of Software Engineering and Management & Entrepreneurship for IT Industry, conducive in cultivating skills for successful career development.

Program Educational Outcomes (PEOS)

PEO1: To provide students with fundamental strength in core disciplines of computer engineering to solve the problems of computing world.

PEO2: To ensure that graduates conquer the difficulties of emerging adaptive technological changes.

PEO3: To prepare students for successful career in the industry of international standard.