



Details of professional development / administrative training programmes organized by the Institution for teaching and non-teaching staff during the year 2020-21.

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A five day workshop

On

Recent trends and recent scope in antenna design

(27th -31st July 2020)



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About event:

As the world is going through global pandemic situation due to covid-19, routine life of every profession is affected in one or the other way including the students or researcher. However, using online platform, we can share the knowledge and reach the people globally. The main objective of the workshop is to provide a common platform from researcher, academicians as well as industry person to share their knowledge in antenna domain. There are six resource persons from NIT'S, IIT and industry, Germany. There are almost about 400 participants who registered globally from 25 + countries.

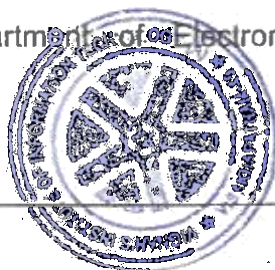
Objectives of the event:

The main motto of the workshop to provide a common platform to share the recent techniques and scope in antenna domain. The resource persons are Dr. Rowdra Ghatak, Professor, NIT Durgapur, Dr. Durbadal Mandal, Associate Professor, NIT Durgapur, Dr. Somak Bhattacharya, Assistant Professor, IIT BHU, Dr. Ujjal Chakraborty, Assistant professor, NIT Silchar, Dr. Abhishek Sarkhel, Assistant professor, NIT Meghalaya and Mr. Debraj Kar, Antenna research and Development Engineer, Germany. There are almost 400 participants from various countries like South Korea, Iraq, Peru, Malaysia, Bangladesh, Philippines, Pakistan etc. The focus is on new design techniques in the antenna domain which helps to start a new era of Antenna engineering.

About speakers/guests :



Rowdra Ghatak received the M.Tech. degree in microwave engineering from the University of Burdwan, Bardhaman, India, and the Ph.D. (Engineering) degree from Jadavpur University, Kolkata, India. He started his career in microwave engineering as a Trainee at the Central Electronics Engineering Research Institute, Pilani, India, in fabrication and testing of S-band magnetrons. Then, he was at the National Institute of Science and Technology, Berhampur, India, and the University of Burdwan. He is currently a Professor with the Department of Electronics and Communication



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Engineering, National Institute of Technology, Durgapur, India. He has authored or co-authored more than 200 papers in various national/international journals and conferences. His research interests include fractal antennas, metamaterials, applications of evolutionary algorithms to electromagnetic optimization problems, radiofrequency identification, computational electromagnetic, and microwave passive circuit designs. He was a recipient of the International Union of Radio Science's Young Scientist Award in 2005. He received support under the Department of Science and Technology's Young Scientist Scheme for the development of ultra wideband antennas for imaging RADAR. He is a Reviewer of IEEE, IET, Elsevier, John Wiley, and PIER journals. He has organized workshops in the capacity of a Workshop Chair/Convener on Microwave Circuits and Antenna and has been a Member of the Technical Program Committee of numerous IEEE conferences in the Asia-Pacific region.

The following topics will be addressed in the workshop

S.NO	DAY	Topic
1	27-7-2020	Antenna parameters
2	28-7-2020	Beam tilting and Gain enhancement using metamaterial
3	29-7-2020	Optimal Radiation Pattern Synthesis of Antenna Arrays with Time Modulation New trends on the antenna application, (Industrial Prospect)
4	30-7-2020	Wearable Antenna design and fabrication Techniques Introduction to metasurfaces at high frequencies
5	31-07-2020	MIMO Technology



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A five day Workshop

On

ADVANCED FUNCTIONAL DEVICES

(Organized by BS&H Department)

VIIT (A)

(4th - 8th August 2020)



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Objective of the FDP:

This Faculty Development Program emphasizes on recent advances in materials used and methods employed for fabrication of functional devices like rechargeable *Li-ion batteries*, *Light emitting diodes*, *solar cells*, *sensors based on nano materials*. This workshop deals with basic to advanced concepts related to functional devices, in which material and method selection is a crucial criteria.

The theme of this FDP is essential for Post graduate students, research scholars and faculty members in the disciplines of chemistry, physics, material science, electrical engineering and mechanical engineering.

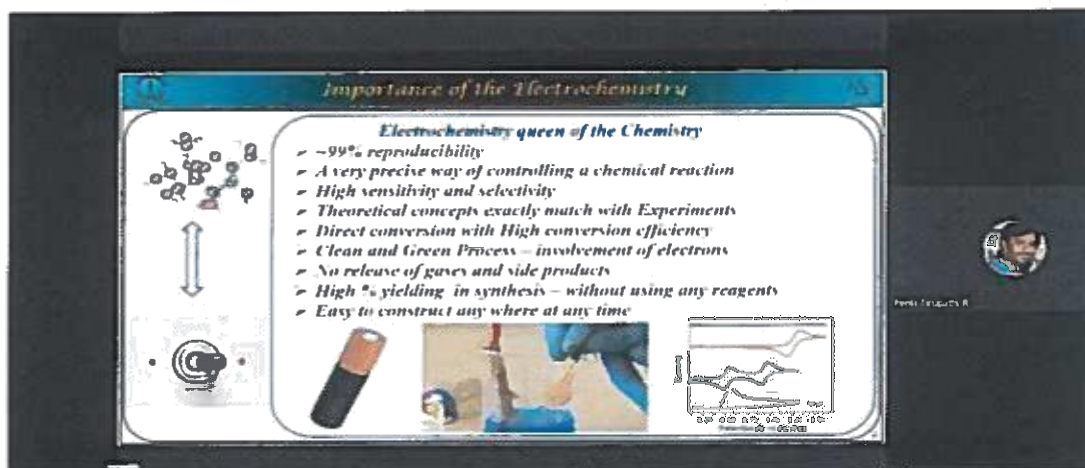
Workshop schedule

S.NO	Day	Topic
1	1	Importance of electrochemistry
2	2	Different layers of OLED
3	3	Light of Gas sensing materials
4	4	Material Vs device level optimization
5	5	Fundamentals and applications of surface enhanced Raman spectroscopy



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Technical sessions highlights of Day 1



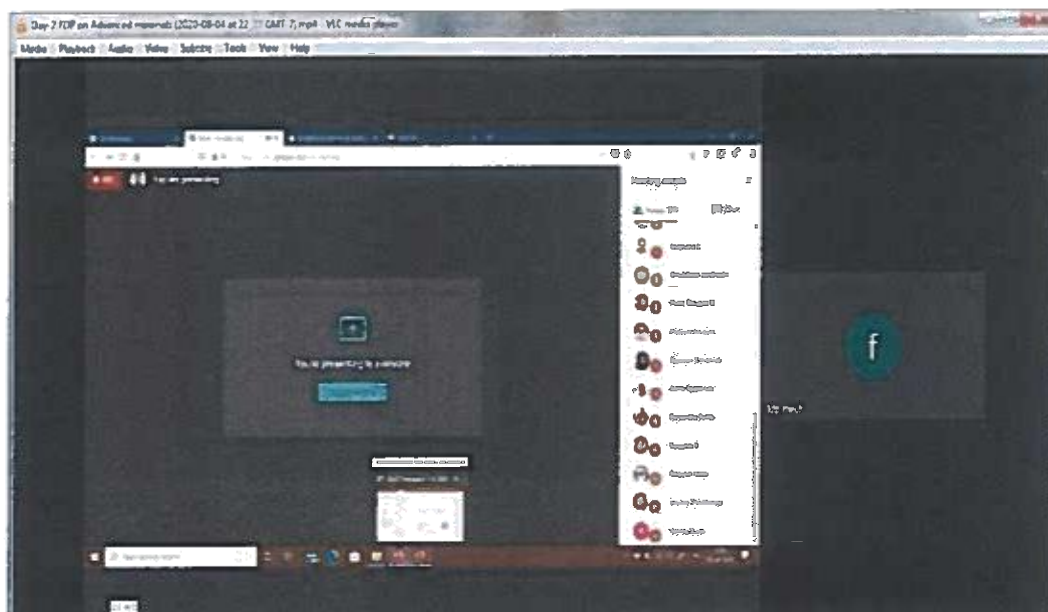
Importance of the Electrochemistry

Electrochemistry queen of the Chemistry

- ~99% reproducibility
- A very precise way of controlling a chemical reaction
- High sensitivity and selectivity
- Theoretical concepts exactly match with Experiments
- Direct conversion with High conversion efficiency
- Clean and Green Process – involvement of electrons
- No release of gases and side products
- High % yielding in synthesis – without using any reagents
- Easy to construct anywhere at any time

The slide includes a diagram of a chemical reaction with a double-headed arrow, a test tube, a person working in a lab, and a graph showing a redox reaction curve.

Technical sessions highlights of Day 2



Day 2 FDP on Advanced materials (2020-08-04 at 12:00 GMT+7, 7:00pm VVC media player)

The slide shows a presentation interface with a central video player area and a sidebar on the right containing various icons for navigation and interaction. The main content area is currently blank, displaying only a small logo and text.



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Different Layers of OLED

- The Electro Luminescence process involves the following steps -

Electron- hole injection from the electrodes.

Carrier transport in organic layers.

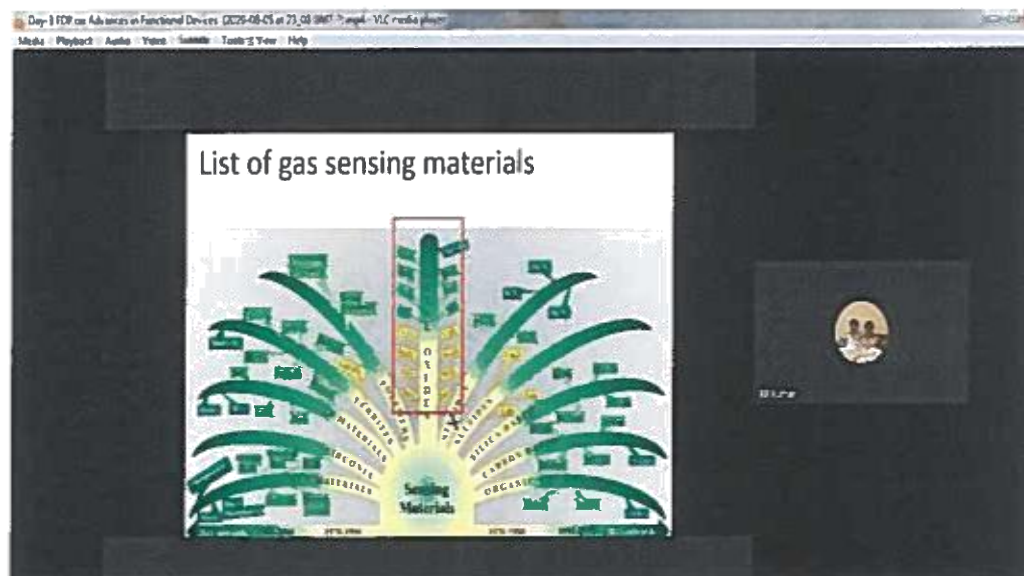
Formation of excitons (singlet 25%, triplet 75%).

Relative recombination of singlet excitons leads to Fluorescence.



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Technical sessions highlights of Day 3

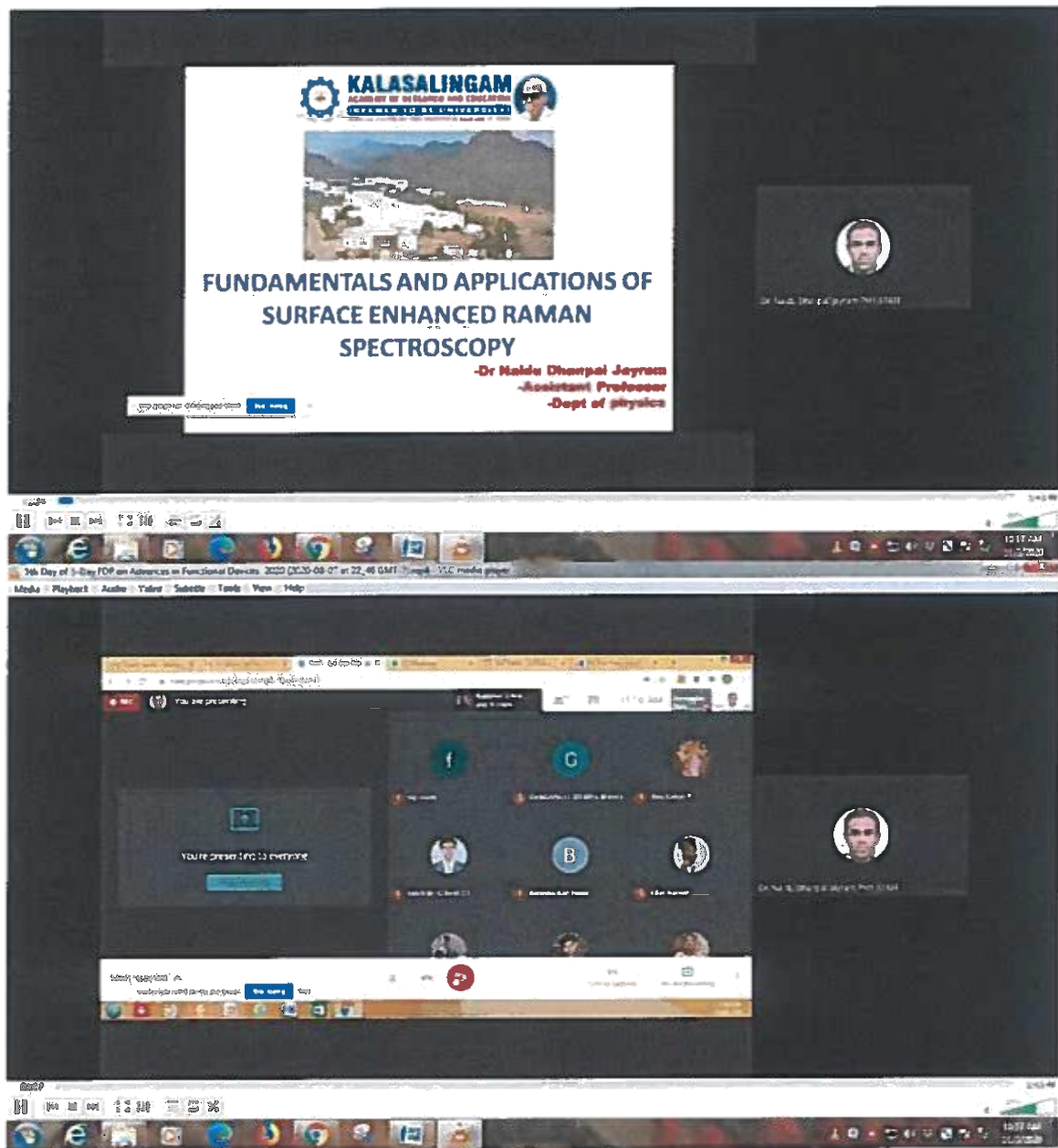


Technical sessions highlights of Day 4



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Technical sessions highlights of Day 5



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One Week workshop of
Training on educational video editing
Software for *Non-teaching staff*
(20th – 26th August 2020)




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Report on Training on educational video editing

Software

(20-8-2020 TO 26-8-2020)

Vignan's Institute of Information Technology (A) conducted one week workshop for Non-teaching faculty in collaboration with Andhra Pradesh State Skill Development Corporation to prepare video lectures. These video lectures are designed for B. Tech students in the COVID time. This programme is useful to improve practical and technical skills in students and make them industry-ready.

The workshop's goal was to train Non-teaching faculty for preparation of video content suitable to B. Tech students. This programme provides technical skills to the faculty which could almost substitute regular classes. The learning curiosity will increase in the students due to excellent audio and video content. The event was attended by around 49 Non-teaching staff from our college.

The following topics will be addressed in the workshop

S. No	Day	Topic
1	1	Introduction to premiere Pro
2	2	Video production workflow
3	3	Getting started
4	4	Importing, capturing videos
5	5	Working with audio/video tracks
6	6	Trimming and adjusting clips and special edits
7	7	Adding video and audio transitions



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Faculty participated actively and learned about each and every component with practical knowledge. A lecture demonstration of video content project was held in the morning session. This presentation is focused on a variety of applications that were based on premiere pro basics.

The talk has concentrated on premiere pro basics and hands-on session is intended for Non-teaching staff. The conversation continued after lunch. The session concluded with an assignment that enabled each participant to apply their knowledge to the application. The aim of the workshop was to prepare video content with good audio and video tracks. A valedictory session took place at 4:30 PM. On the last day Dr. V. Madhusudhan Rao, Rector of VIIT, Dr. B. Arundathi, Principal of VIIT, Dr. K. Madhusudana Rao, Vice principal, Dr. B. Prasad, Coordinator of video content, Dr. K. Venkata Rao, motivator of the Workshop, Dr. M. P. V. V. Bhaskara Rao, coordinator and all faculty members have participated.

All of the Non-teaching faculty members said that they had learnt and gained hands-on experience in creating video content. They were ecstatic about participating in this course and asked for additional workshops in the same format so that they could obtain practical knowledge and skills.



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One Week workshop of
Training on educational video editing
Software for *teaching staff*
(20th August – 26th August 2020)




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The workshop's goal was to train faculty for preparation of video content suitable to B. Tech students. This programme provides technical skills to the faculty which could almost substitute regular classes. The learning curiosity will increase in the students due to excellent audio and video content. The event was attended by around 55 staff from our college.

The following topics will be addressed in the workshop

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7	7	Adding video and audio transitions

The chief mentor discussed the importance of the video content preparation and its use for students in the COVID time.




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A five day F.D.P
On
Staff Induction Programme
Organised by VIIT
(06th - 11th Sep 2020)



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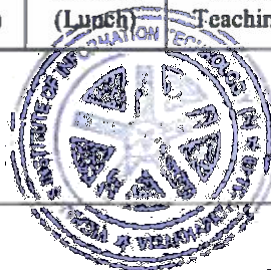
Objectives:

Staff Induction/Refresher Programme is essential for teachers in technical institutions for their professional refinement. The other aims of the Programme are:

1. Updating knowledge and improving organizational and pedagogical skills of teachers. To update the knowledge by providing an opportunity for interaction and mutual exchange of ideas between teachers interested and/or working in particular areas of specialization
2. Providing an opportunity for teachers to familiarize themselves with modern engineering practices, including the latest technological advances adopted by industry keeping in view the national needs and priorities and relevant technologies.
3. Opening up new vistas in technology at the frontier of knowledge and the challenges and opportunities which provide to the dedicated and hard working faculty.

Schedule for faculty Orientation Program 06-09-2020 to 11-09-2020

06-09-2020	10:00AM to 10:30AM Inaguration	10:30AM to 12:00PM Vignan's Philosophy Dr.V. Madhusudhana Rao (Rector, VIIT)	12:00PM to 01:00PM (Lunch)	01:00PM to 03:00 PM Micro Teaching	03:00 to 03:15 PM (Break)	03:15 PM to 04:00 Micro Teaching
07-09-2020	10:00 AM to 12:00PM Effective Communication Prof. Sharada, Dr. KGB Santhosh Kumari (Assoc. Prof, BS&H, VIIT)		12:00PM to 01:00PM (Lunch)	01:00PM to 03:00 PM Micro Teaching	03:00 to 03:15 PM (Break)	03:15 PM to 04:00 Micro Teaching
08-09-2020	10:00 AM to 11:00 AM Research & Project Dr. E Laxmi Lydia (Dean R&D)	11:00 AM to 12:00 PM Student Evaluations & Question Paper setting Dr. B Sateesh (Dean Evaluation)	12:00PM to 01:00PM (Lunch)	01:00PM to 03:00 PM Micro Teaching	03:00 to 03:15 PM (Break)	03:15 PM to 04:00 Micro Teaching
09-09-2020	10:00 AM to 11:00 AM Role of Faculty in Student Progression (Dean IQAC)	11:00 AM to 12:00 PM Teaching Methodology Dr. V Madhusudhana Rao (Rector, VIIT)	12:00PM to 01:00PM (Lunch)	01:00PM to 03:00 PM Hands on Section for Lesson Plan	03:00 to 03:15 PM (Break)	03:15 PM to 04:00 Hands on Section for Course File
11-09-2020	10:00 AM to 11:00 AM OBE Dr. B Arundathi, (Principal, VIIT)	11:00 AM to 12:00 PM Co's,Po's Mapping, Mr. T Rajesh (Asst. Prof, EEE, VIIT)	12:00PM to 01:00PM (Lunch)	01:00PM to 03:00 PM Micro Teaching	03:00 to 03:15 PM (Break)	03:15 PM to 04:00 Micro Teaching



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Introduction:

Staff Induction Programme is an effective and efficient means of outlining workplace policies and procedures to new employees by providing about the job, and for setting expectations within the larger context of institution vision and mission. An induction program should include training for newly recruited faculty on how to handle the classes by using the relevant teaching methodology.

Adopting an induction process for new faculty may have various benefits for both employers and employees. In this process, the faculty will be educated on various aspects related to working ambience.

Day-1

Staff Induction Programme was inaugurated by Dr.L.Rathaiah, Chairman, Vignan Group of Institutions by lighting the lamp on 6 September 2020. In his inaugural talk, he emphasized the importance of values and ethics in teaching profession. He stressed that all the faculty members should feel the ownership in order to be successful in his/her career. He reiterated that counselling and mentoring are two sides of the coin. All the faculty members have to adapt themselves to the new environment by maintaining interpersonal relations among others in the department and college. Prof. B. Arundhati, Principal, addressed the participants and emphasized the importance of following ethics and morals in teaching community. Mr.N.Srikant, Executive Director, highlighted the need of creating conducive atmosphere in the college.

In the afternoon session, Dr.V. Madhusudhana Rao, Rector, VIIT(A) presented Vignan Philosophy to the participants. He said that the participants are fortunate enough to listen to the Vignan Philosophy directly from the words of the founder of Vignan group. He reiterated the ideals of Vignan and focussed on the qualities of a teacher and the role of a teacher in identifying the needs of the students and to handhold them till they reach their goal.




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Day-2

Dr.A.Sharada, Dean, Vignan University and Dr.K.G.B.Santhosh Kumari, Associate Professor, VIIT (A) conducted a session on "Effective Communication" which is meticulously planned in a blended approach. Dr.A.Sharada gave various tips on effective written and oral communication. She stressed the importance of written and oral communication for any teacher. She highlighted the process of effective engagement of heterogeneous group of students efficiently by a teacher. She stressed that drafting effective letters and emails is very crucial for any employee. Dr.K.G.B.Santhosh Kumari conducted ice breaking session and demonstrated the format of letters .She encouraged the participants to draft the letter and email by following the instructions. She has conducted various activities associated with public speaking skills. Around 25 participants have benefitted from this session. They expressed their happiness in learning the skills through activities. Dr. L. Rathaiah, Chairman, Vignan Group of Institutions and Prof. V. Madhusudhana Rao, Rector, VIIT(A) viewed the session through virtual platform.

Day -3

Dr. E Laxmi Lydia, Dean R&D highlighted the importance of doing Research for the personal and professional growth of any staff member. She said that Vignan always encourages the researchers to enhance their research ability. She stressed the possibility of doing research while teaching. She said that the creative teaching strategies and pedagogy applied in classroom teaching can be used while writing research papers. She gave an analysis of various journals and the impact of producing quality publications in Q1 journals. She said that the quality publications lead to quality projects and patent.



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Dr.B.Sateesh, Dean-Evaluation highlighted the usage of Blooms Taxonomy while setting question paper. He stressed the usage of key words especially verbs which shows the level of the question. He stressed various levels in Blooms Taxonomy from Remembering to Creating. He has systematically explained the rules and regulations while conducting examinations (internal and external). He presented the system of question paper setting and

the process of examination. He presented various parameters which the course coordinator has to consider while preparing a question paper.

Day -4

In the morning session, Dr.V.Madhusudhan Rao, Rector, VIIT(A) reiterated the ideals of Vignan. He focussed on the qualities of a teacher and the role of a teacher in identifying the needs of the students and to handhold them till they reach their goal. He focussed on various teaching methodologies like Flipped classroom, Project Based Method and other innovative

Teaching Methodologies which inculcates interest in the student of any level. He stressed that based on the student level of understanding, the teaching methodology needs to be adopted. He explained the concept by giving live and practical examples. The session is completely interactive . All the participants actively participated in the discussion without any hesitation.

In the afternoon session, Dr.Ch.Harigovind Rao, Dean IQAC explained the role of faculty in Student Progression. He highlighted various measures taken by the management to enhance the faculty contribution in moulding students into better individuals.

Teaching may not be proper without proper planning. In the next session, Dr.P.A.Nageswara Rao, member-IQAC, explained the process of making a lesson plan by incorporation various teaching Methodologies based on the relevance. This session is carried forward by Dr.K.Srinivas Naik, Member-IQAC who has presented a sample course file. He explained the process of preparing a course file which helps the teacher to take the sessions as per the plan.



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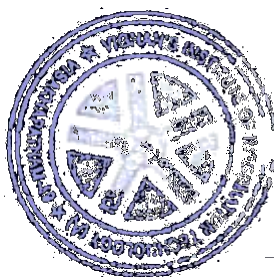
Day-5

Dr.V.Madhusudhan Rao,Rector,VIIT(A) gave his deliberations on Teaching Methodology and the role of a teacher in creating conducive environment in the campus. He stressed that the role of a teacher is crucial in transforming the students into better individuals in the society. Dr.B.Arundhati, Principal, VIIT(A) presented a session on Outcome Based Education. She stressed on Programme Outcomes, Course Objectives and Outcomes, preparing question paper by using Blooms Taxonomy. It is an interactive session where many participants actively participated. This session is followed by Valedictory session in which the participants expressed their happiness in learning many concepts during the course of one week.

This Staff Induction Programme is coordinated by Dr.A.Naga Jyothi,Dean Academics,Dr.R.Hanumantha Rao,Associate Dean Academics and Dr.K.G.B.Santhosh Kumari,Associate Professor,Dept.of BSH.

Microteaching:

In order to orient the newly recruited faculty members towards teaching, everyday Micro Teaching is conducted. The new recruits are mentored by the HoD of the respective department and a few senior faculty members. After one week of this Staff Induction Programme, a lot of improvement is observed in the staff. While taking the feedback on the last day of the programme, the participants expressed that a few more Micro Teaching Sessions may be included in the next Staff Induction Programme.




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A One Day Motivational Guest Lecture

On

Personality Development: Insights from Indian Epics

(9-9-2020)




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Introduction to the Guest

Name: Acharya Sri Mallapragada Srimannarayana Murthy



- Credentials** : Retired Scholar, Mathrusri Oriental College, Guntur
- Associate Editor** : Viswajananai Monthly Magazine
- Awards** : Upanysakalanidhi ,Sahitibruhaspati, Aarsha VidhyaSagara,
Ramayana Rasa Bharathi, Prasannavyasa etc..



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PROGRAMME SCHEDULE

Lecture 1	Personality Development : Insights from Indian Epics Time 10.40 a.m. – 11.30 a.m.
Lecture 2	Communication Skills: Insights from Indian Epics Time: 11.45 a.m. -12.30 p.m.
Felicitation	12.40-12.45 p.m.
Vote of Thanks	Closing Remarks and Vote of Thanks
Coordinators	Dr.K.Yellareswara Rao and S. Ravi kumar

❖ Talks _Synopsis_

Talk -1

During the first talk around 500 students participated from Mech, EEE and Civil branches. Mallapragada Srimannarayana Murthy gave interesting talk on the importance of **personality development** in the student life from Indian Epics. The speaker gave very thought provoking examples from Indian epics like Mahabharata and Ramayana which can enlighten today's younger generation.

Talk -2



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In the first talk around 500 students participated from CSE, ECE, IT and ECM branches. The speaker initiated the talk on the importance of **communication skills** in students life from Indian Epics. The speaker gave very thought provoking examples from Indian epics like Mahabharata and Ramayana which are highly relevant in today's world.

❖ Felicitation

After completion of motivational talks, following the tradition of Vignan, the guest speaker was felicitated by the Rector and faculty of BSH dept.




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FACULTY DEVELOPMENT PROGRAMME

On

VIBRO ACOUSTIC APPLICATIONS

(13th – 17th September 2020)




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Abstract:

Based on the knowledge on dynamics acquired during the undergraduate studies, the fundamental principles of sound generation and propagation are taught in this module. Besides practical aspects such as the perception of sound and the description of well-known wave phenomena (e.g. interference, diffraction), this mainly includes the underlying theory of wave propagation. The main focus is set on air-borne sound which is acoustics. However, structure-borne sound in elastic media (e.g. bending waves) is also considered. Concepts for solving the wave equation as well as the characterization of sources are discussed. Finally, the interaction between acoustics and the vibration of elastic structures is studied – a phenomenon that nowadays receives growing attention in view of ever-increasing lightweight requirements.

Course Objectives


A successful attendance to the module enables the participants to

- explain important principles of acoustic phenomena and how they emerge
- analyze sources of sound as well as how they are perceived
- become involved in the engineering field of „Noise, Vibration, Harshness“ (NVH)
- carry on with learning the principles of low-noise design
- understand the underlying principles of acoustic simulations and experiments




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FDP schedule:

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Date	Day 1	Day 2		Day 3	Day 4	Day 5
Topic	Hands on explanation on various equipment used in Vibro-Acoustic study	Theory of Vibrations with applications	Operating procedures of reverberation chamber and impedance tube setups used in acoustic parameters study	Determining natural frequency for a sample subjected to different boundary conditions	Determining sound absorption coefficient of a sample using reverberation chamber set up.	Determining sound absorption coefficient of a sample using Impedance Tube set up
Resource Person	Mr. B. Somi Naidu	Dr. L.V.V Gopal Rao	Mr. B. Somi Naidu	Mr. B. Somi Naidu	Mr. B. Somi Naidu	Mr. B. Somi Naidu
Coordinator: <u>B. Somi Naidu, Asst. Professor</u>				Head of the Dept.: <u>Dr. S. Rambabu</u> Dept. of Mechanical engg., VIT, Visakhapatnam		




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A Five Day Workshop

ON

"Nanotechnology and its application in Photovoltaics"

(17th -21st October 2020)




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About the event

The speaker discussed about the following points:

Quantum Dot Sensitized Solar Cells (QDSSCs) are among the most promising candidates among emerging photovoltaic technologies. The authors have chemically synthesized ZnS quantum dots to test them as a solar cell sensitizer. Iron doping is also done on the ZnS quantum dots and is characterized using standard techniques such as absorption spectroscopy, X-ray diffraction analysis, and High-resolution transmission electron microscopy. The synthesized quantum dots are deposited on a FTO/ZnO-based solar cell structure and tested under illuminated conditions to obtain their photovoltaic-parameters. There is an appreciable improvement in the solar cell's efficiency and overall performance on doping the sensitized ZnS quantum dot layer with Fe ions.

The influence of high energy ion beam [swift heavy ion (SHI)] on CdS quantum dots that are used as a sensitizer in a solar cell is studied in this letter. A 100-MeV copper ion beam is selected for irradiation experiment with doses of 1×10^{11} and 3×10^{11} ions/cm². With an increase in the dose, the optical absorption edge of irradiated quantum dots reveals a little red shift with respect to that of unirradiated (pristine) ones. The irradiated quantum dots are introduced as a sensitizer on a ZnO photo electrode solar cell. An increase in the current density is observed for irradiated samples at a lower dose, while at a higher dose, the current density decreases. In addition, the other parameters, like open circuit voltage, fill factor, and photo conversion efficiency, are also reported for the SHI-irradiated quantum dot sensitized solar cell.

Objective of the event

- To understand the basic about nano technology
- To understand the Quantum Dots
- Application in Solar cell



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Summary of the Workshop

❖ The speaker discussed about the nanotechnology based solar cell. The designing process and step of design is shown widely. Fifty participants joined the session and the session conducted through google meet.

Outcome of the workshop

- The participants understood nanotechnology
- Uses of nanotechnology in photovoltaic cell
- Design steps of solar cell

About the Speaker



Abhigyan Ganguly

Affiliation

University of KwaZulu-Natal

Howard College

Department of Electronic Engineering, Durban, South Africa, 4001



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A One Week Workshop

On

***“Electronic IC Chip packaging for VLSI Engineers and related scopes
in Industry”***

VIIT (A)

(10th – 16th October 2020)




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About the event

Integrated Circuits rule the world of electronics. Electronic components are available either in discrete or integrated form. The discrete form is reserved for standalone components only, like a transistor, diode, resistor, capacitor, or inductor. It is the ICs that actually made electronics so popular and ubiquitous it is today. All sorts of circuits – analog, digital and mixed-signal, and all types of components – passive or active can be integrated into an IC. You may find very few commercial circuits that may not use any IC. The speaker discussed in detail about the IC chip packaging and it's application of the workshop.

Objective of the event

- To understand the IC chip packaging and its importance
- Industrial Use of IC chip packaging
- Future technology

About the Speaker



Dr. Suman Bhowmik
SoC Design Engineer
Intel Bangalore



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Summary of the Workshop

The workshop is conducted through virtual mode. The speaker discussed in detail about the Electronic IC chip packaging and its detail application oriented towards the industry. There are nearly about 50 participants who attended the workshop throughout India.

Outcome of the workshop

The students understand in detail about the IC chip packaging in detail and they also learn the future technologies related to the IC chip.

Glimpses from the Workshop



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A Five Day Workshop

On

**“MAC design in Cognitive Radio Networks and Machine to Machine
Networks”**

(7th - 11 Nov 2020)



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About the event:

On November 7th, 2021, from 11:00 A.M. to 12:00 P.M., the ECE department hosted a workshop on MAC design in Cognitive Radio Networks and Machine to Machine Networks, it was delivered through virtual mode. The speaker of this workshop Dr. Sachin Kadam, Post-Doctoral Fellow at SINE Lab, Arizona State University (ASU), Tempe, AZ, USA. Cognitive Radio Networks is very important part of modern wireless system. The workshop gives the overview of research in modern wireless communication. This workshop focuses on heterogeneous Machine to Machine (M2M) network. M2M network is very important in modern wireless communication in respect of security of the system.



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Objective of the event:

- To study and understand the heterogenous Machine to Machine (M2M) network
- To learn about the direction of future research work in modern wireless communication.

About the Speaker



Dr. Sachin Kadam,
Post Doctoral Fellow at SINE Lab,
Arizona State University (ASU),
Tempe, AZ, USA



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Event image gallery

Sachin Kadam is presenting

Ch Chandrika and 13 more...

11:06 AM

Introduction

- Ad Hoc Cognitive Radio Networks (CRNs)

Challenges in the design of a MAC Protocol for ad hoc CRNs

- Avoidance of Interference with Primary User Transmissions
- Coordination Among Nodes
- Hardware Limitations
- Load Balancing

Meeting details

Participants: Sachin Kadam, Sourav, Hemanta Kumar Sa, Gouram Venkapa, Pushp keta, Chandu reddy, anshu sharma, Dibek Dori

Sachin Kadam is presenting

Arshi Dey and 15 more

11:16 AM

GMAC Superframe

Figure: GMAC Superframe

Figure: The figure shows the division of time into superframes for the available channels.

0:09:57

Participants: Sachin Kadam, Sourav, Hemanta Kumar Sa, Jami Hasan, Pushp keta, P. PRINAYALU, P. Mahesh Kumar, Mohammed Ali



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A five day workshop

On

Model Predictive control in power electronics and drives

(12th -16th November 2020)




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Abstract

Model Predictive Control (MPC) is a conceptually simple yet powerful methodology to control power converters, electric drives and large systems, such as electrical power grids. MPC provides many advantages over traditional controllers including the capability to intuitively handle a large variety of control problems by considering different modes of operation and directly incorporating system constraints and additional requirements. The underlying concepts are intuitive, the resulting controllers are inherently stable and, once calculated, easy to implement. The advances in processing power of digital signal processors have recently promoted MPC into the first commercial applications, which opened a door toward improved performance and efficiency of power converters, drives and power grids.

About the event:

On November 12, 2020, from 11:00 A.M. to 12:00 A.M., the EEE department hosted a workshop on Model Predictive control in power electronics and drives. It was delivered through virtual mode under student's chapter of ISTE. The speaker of this workshop is Dr. Kuniseti. V. Praveen Kumar, Assistant Professor, Department of Electrical Engineering at SVNIT Surat. The brief and to-the-point workshop discussed on Model Predictive control in power electronics and drives. This workshop had a total of 100 participants, including professors and students.

Objective of the event

1. The goal of this workshop is to provide working knowledge on the development and implementation of MPC in different application fields.
2. The introduction teaches the basic MPC principles, including mathematical techniques and optimization methods necessary to formulate and solve the control problem.
3. The subsequent application-specific presentations address practical challenges in MPC of drives, grid connected converters, photovoltaic inverters and electrical power grids.

About the Speaker:

Dr. Kuniseti. V. Praveen Kumar, Assistant Professor, Department of Electrical Engineering at SVNIT Surat. He has a good record of working for and delivering the concept of Model Predictive control in power electronics and drives, as well as designing them. He was a key figure in the development of the Hardware prototype. He is dedicated to studying, pushing, and creating different control techniques in power electronics and drives.

Summary of the Workshop

In the recent past, a lot of research and development has been carried out to enhance the reliability, efficiency, modularity and cost effectiveness of these converters. A number of new topologies have been proposed and new characteristics of power conversion have been defined. Case studies demonstrate practical MPC controller designs, and evaluate and discuss their



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results. The embedded implementation section provides practical implementation guidelines by addressing hardware, software, programming methods and suitable design tools. Finally, in the last session, advanced MPC concepts are explained and demonstrated on examples.

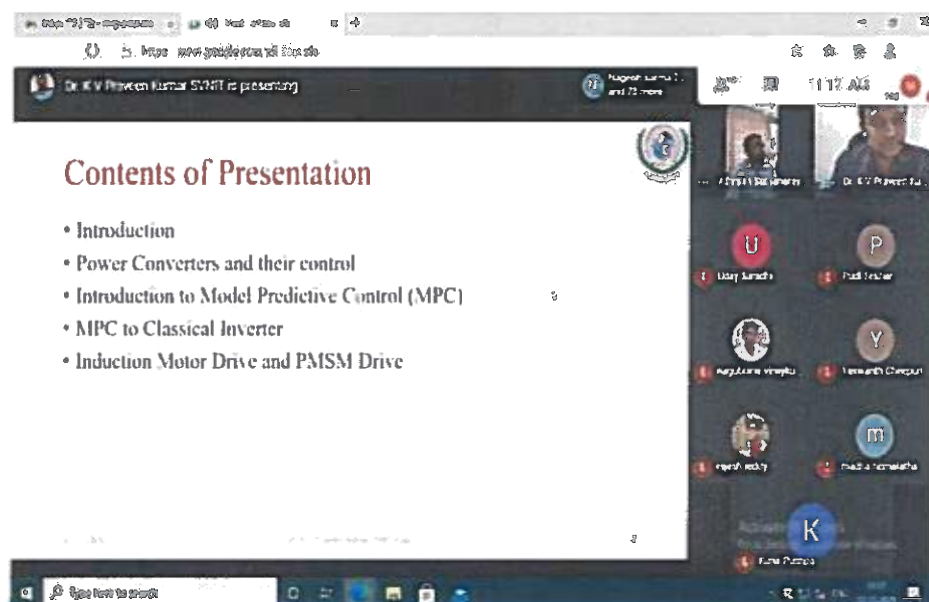
Outcome of the Workshop

1. Predictive control presents several advantages that make it suitable for the control of power converters and drives.
2. The different control schemes and applications presented in this workshop illustrate the effectiveness and flexibility of predictive control.

Workshop schedule:

S.NO	Date	Topic	Session timings
1	12 th –16 th November 2020	Knowledge on the development and implementation of MPC in different application fields	9 AM- 12PM
2		Basic MPC principles and optimization methods	1 PM - 3 PM
3		Practical challenges in MPC of drives, grid connected converters and electric power grids	3.30PM - 5.30 PM

Glimpses from the Workshop:



The speaker of this workshop Dr. Kuniseti. V. Praveen Kumar



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Control Requirements and Challenges

- Dynamic Performance and Stability of the system.
- Industrial Requirements:
 - Small error in Control Variables
 - Reduced Switching Losses
 - Reduced THD
 - Electromagnetic Interference (EMI/RFI)
 - Reduced CMV
 - High Control Performance
 - Converter Topology
- Digital control platform in Industries are Fixed Point Processors (DSP/FPGA). Floating Point Processors (dSPACE-1104) for academics (where bulky programming used).



Introduction to Model Predictive control in power electronics and drives

Direct Torque Control of Induction Motor

Flux Error	Torque Error	Sector	1	2	3	4	5	6
1	1	V ₁	V ₁	V ₁	V ₁	V ₁	V ₁	V ₁
1	0	V ₁	V ₁	V ₁	V ₁	V ₁	V ₁	V ₁
1	-1	V ₁	V ₁	V ₁	V ₁	V ₁	V ₁	V ₁
0	1	V ₂	V ₂	V ₂	V ₂	V ₂	V ₂	V ₂
0	0	V ₂	V ₂	V ₂	V ₂	V ₂	V ₂	V ₂
0	-1	V ₂	V ₂	V ₂	V ₂	V ₂	V ₂	V ₂
-1	1	V ₃	V ₃	V ₃	V ₃	V ₃	V ₃	V ₃
-1	0	V ₃	V ₃	V ₃	V ₃	V ₃	V ₃	V ₃
-1	-1	V ₃	V ₃	V ₃	V ₃	V ₃	V ₃	V ₃

Model Predictive control in power electronics and drives



Interaction between students and speaker



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A VALUE ADDED COURSE

On

ROUTING TECHNIQUES FOR PRINTED CIRCUIT BOARD

(17th -26th NOVEMBER 2020)




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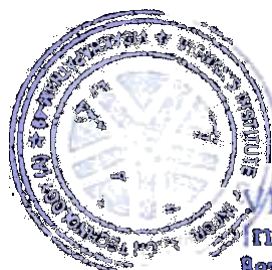
Overview:

This course is designed to educate the student about the purpose, uses, and basic applications of the PCB Design; Printed circuit board is the most common name but may also be called "printed wiring boards " or "printed wiring cards". Before the advent of the PCB, circuits were constructed through a laborious process of point-to-point wiring. This led to frequent failures at wire junctions and short circuits when wire insulation began to age and crack. A PCB allows signals and power to be routed between physical devices. (PCB) routing techniques are a bit like a piece of artwork. There is an engineering component -- the load of various circuit and solder paths cannot intersect or interfere with the load running through a nearby circuit or solder path, and the overall space recommendations of the circuit board and the device that it is being placed into cannot be exceeded or the board will not work, or will not fit into the finished product, which would make the whole point of the printed circuit board moot. There are a number of different techniques for properly laying out printed circuit boards so that they are as small as possible and as efficient as possible. Prototyping occurs at the earliest stage of design and involves individual engineers researching how to define a certain system or application. The experimental nature of this stage is fundamental in being able to develop hardware that can meet specifications. When the design has been validated, it can be passed onto the latter stages of the design flow i.e. product development. The ultimate goal of the prototyping stage is to have a successful product that is accurate, efficient and meets specifications. This course aims to focus the students to meet out the industrial needs and to bridge the gap between institution and Industry.

Course Objective: PCB (Printed Circuit Board) designing is an integral part of each electronics products and this course is designed to make students capable to design their own projects through a powerful software packages and enhance the student knowledge up to industrial grade.

Expected Outcomes: At the end of the course the participants will able to

- Understand the steps involved in schematic, layout, fabrication and assembly process of PCB design.
- Design (schematic and layout) PCB for analog circuits, digital circuits and mixed circuits.
- Explain various routing techniques on PCB High-speed signal circuit design.




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Course schedule:

S.No.	Module Name	Date	Duration
1	Introduction PCB Designing	17.11.2020	1.00 PM-4.00PM
2	Installation of Altium Software	18.11.2020	1.00 PM-4.00PM
3	Altium Tutorial and Circuit Simulation	19.11.2020	1.00 PM-4.00PM
4	PCB Design, Schematic and 3D Visualizer in Altium.	20.11.2020	1.00 PM-4.00PM
5	Arduino Libraries into Proteus and Circuit Designing	21.11.2020	1.00 PM-4.00PM
6	Adding Arduino Components Footprint PCB Package	22.11.2020	1.00 PM-4.00PM
7	PCB layout steps	23.11.2020	1.00 PM-4.00PM
8	PCB Routing based on Multi-layer Board	24.11.2020	1.00 PM-4.00PM
9	Making the Lead Pin between Components in High-speed Circuit As Short As Possible	25.11.2020	1.00 PM-4.00PM
10	Ground Surrounding on the Especially Important Signal Lines or Local Parts	26.11.2020	1.00 PM-4.00PM




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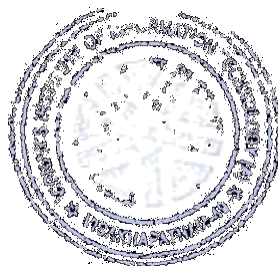
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A five day FDP

On

“Game theory and its application in communication”

(21st -25th Nov 2020)




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About the event:

On November 21st, 2020, from 12:00 P.M. the ECE department hosted a FDP on MAC design in Cognitive Radio Networks and Machine to Machine Networks, it was delivered through virtual mode. The speaker of this FDP, Dr. Aditya MVS, is a Post-Doctoral Fellow at University of Minnesota, Minneapolis, USA. Game theory has been used for years as an economic analysis tool to understand and predict what will happen in economic contexts. Because of the interdependence among users of communication networks, game theory also provides a useful framework for modeling users' decisions. We discussed some of the game theoretic terminology and basic concepts that are relevant to the present work and review some of their applications to communication networks.



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Objective of the event:

1. Game theory is the study of strategic decision making
2. To learn about Game theory , which is mainly used in economics, political science, and psychology, as well as logic and biology.

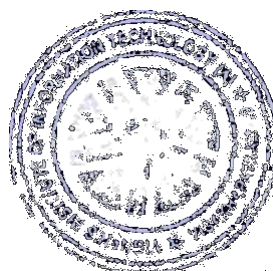
About the Speaker




Dr. Aditya MVS
Post-Doctoral Associate at
University of Minnesota, Minneapolis, USA

Outcome:

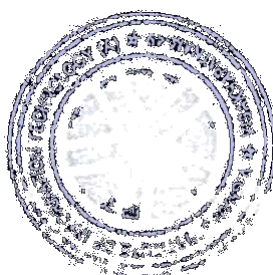
1. Participants can understand strategic decision making
2. Participants learn about Game theory, which is mainly used in Economics, Political science, and Psychology, as well as Logic and Biology




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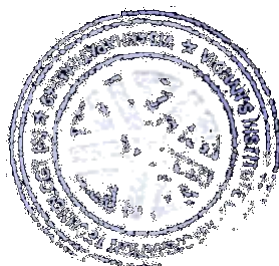
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Five day national workshop

On

IOT Technology

(23rd -27th November 2020)



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Report on Start-up Workshop on IOT Technology

(23th Nov - 27th Nov 2020)

Abstract

Internet of Things in short IoT is a trending technological field that converts any electronic device into a smarter one. A lot of industries are beginning to adopt this technology on to their operations to increase their productivity and improve efficiency. From washing machines to garage space in houses, IoT technology is bringing a large number of day-to-day objects into the digital fold to make them smarter. It is also evident that the IoT technology is going to transform into a multi-trillion dollar industry in the near future. This innovative technology not only connects the device to the internet but also provides the user, various features like real-time analytics, platform to analyze the collected data, cloud data storage, trigger an action from a remote location, remote notifications etc. Because of its wide range of applications, this technology can be integrated into almost all the industries.

About the event

On November 23rd, 2020 - November 27th, 2020 from 9:00 AM to 4:00 PM, the ECM department hosted a Startup Workshop on **Internet of Things Technology** was delivered. The speaker of this workshop is **Mr. K. PARMODH KUMAR**, Director of I&T Labs.

Objective of the event

To understand that Internet of Things (IoT) is a technology that extends digital connectivity to devices and sensors in homes, businesses, vehicles and potentially almost anywhere



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Summary of the Event

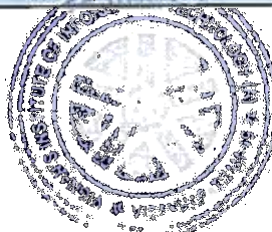
The number of different technologies required for supporting the deployment and further growth of the IoT places a premium on interoperability, and has resulted in widespread efforts to develop standards and technical specifications that support seamless communication between IoT devices and components. Collaboration between various standards development groups and consolidation of some current efforts will eventually result in greater clarity for IoT technology companies.

Outcome of the Event

Participants are able to understand that Internet of Things (IoT) is a technology that extends digital connectivity to devices and sensors in homes, businesses, vehicles and potentially almost anywhere. This advance enables virtually any device to transmit its data, to which analytics can then be applied to facilitate monitoring and a range of operational functions. IoT can deliver value in several ways. It can provide organizations with more complete data about their operations, which helps them improve efficiencies and so reduce costs. It also can deliver a competitive advantage by enabling them to reduce the elapsed time between an event occurring and operational responses, actions taken or decisions made in response to it.

Workshop on IOT Technology (TOPICS TO BE COVERED)

S.NO	DAYS	Topic
1	1	Introduction on IOT
2	2	Digital connectivity to devices
3	3	Sensors applications
4	4	Digital connectivity in business and vehicles
5	5	Future challenges in IOT





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An awareness session

On

Professional ethics on the eve of Republic day

VIIT (A)

(26-1-2021)




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VIGNAN GROUP OF INSTITUTIONS::VISAKHAPATNAM

72nd Republic Day Celebrations

26-01-2021, Tuesday

PROGRAMME

(From 09.00 AM To 11.00 AM)

9.00am-9.05am	Assembling students and staff at the venue & National Song
9.05am-9.10am	Flag hoisting by Chief Guest, Rector and Principals and National Anthem
9.10am-9.20am	Republic Day Messages by School Students
9.20am-9.30am	Assembling at AKCNB Hall and Cultural Programme
9.30am-9.32am	Message by Rector, Dr.V. Madhusudhan Rao
9.32am-9.35am	Introduction of Chief Guest
9.35am-10.35am	Republic Day Message and Motivational Session by V.V.Lakshminarayana, IPS(Former CBI Joint Director, popularly known as JD Lakshminarayana)
10.35am-10.50am	Felicitation to the Chief Guest and Interaction
10.50am-11.00am	Cultural activities followed by Vote of Thanks by Principal-VIIT.

Attendance for the event is mandatory. Buses arrive the campus 8.50am and leave by 11.10am. All the student participants will be provided attendance. Transport facility can be availed by all the students and staff (Non-Bus Pass holders also) in all routes.

Principal-VIIT

Copy to:

All HoDs and Deans (kindly communicate to all your students and staff members)



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Phone : 0891- 2755222 / 333 / 444 :: Fax : 0891 - 2752333 :: email : vignaniit@yahoo.com

Date: 26-01-2021

Press Note

72nd Republic Day Celebrations at Vignan-JD Lakshminarayana participated as Chief Guest

Vignan's Institute of Information Technology (Autonomous) has organized 72nd Republic Day celebrations at VIIT Campus, Duvvada on 26-01-2020, Tuesday and Shri V.V.Lakshminarayana, IPS, Former CBI Joint Director and Additional Director General of Police participated in the event as Chief Guest.

Chief Guest hoisted the tricolour flag along with Dr.V.Madhusudhan Rao, Rector, Dr.B.Arundathi, Principal, Dr.K.Madhusudhana Rao, Vice Principal and Mrs.K.Madhuri, School Principal on this occasion. JD has addressed 1000 Engineering students and asked them to get trained by four different trainings: 1. Train the body, one should be physically fit.

2. Train the Mind, one should practice Pranayama and Meditation to keep mind fit to think a fresh and there will be no mental stress and depression.

3. Train the Word, one should practice to speak pleasantly and knowledge to be developed to speak on various topics, and also communication skills to be improved.

4. Train the Thought Process, one should practice though process so that Engineers convert the raw materials into useful inventions.

He highlighted that students should remain unsettled in life so that they try for betterment and they think innovatively. He also highlighted that 65% of youth will take India to the next level by 2027. He has asked the students to set goals like, waking up early by 5:00 am, facing any problems with smile, respecting parents, teachers and the elders which will take them to heights. He also asked students to treat Library and Play ground as temples of learning and one has to spend one hour a day in each for holistic development. Around 1000 students and staff members participated in the event and patriotic cultural were performed by the students on this occasion.



(Dr.K.Madhusudhana Rao)
Vice Principal and Dean

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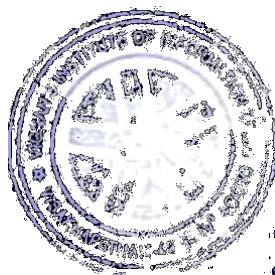
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One Week Workshop

On

Research Conclave

(26th Feb – 1st March 2021)




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Abstract

The main objective of our workshop is to provide research exposure to all teaching community. We are trying to solve the problems related to journal submission, writing, selection of the free journal, etc.

About the event

A research article is a written paper that illustrates an outcome of scientific research with supporting clinical data. This differs from other types of informative articles, such as magazine features or research papers, which typically address the topic in a general scope as a means of introduction. A research article, on the other hand, is written by and for researchers for the purpose of making specific findings known to the scientific community at large. In fact, rather than appearing in a consumer or industry publication, a research article is found exclusively in a peer-reviewed scientific or medical journal, such as The Journal of the American Medical Association, for example.

Objective of the event

The main objective of our workshop to promote research interest to the entire teaching community to publish quality publications. We are trying to solve the problems related to journal submission, writing, selection of the free journal, etc.



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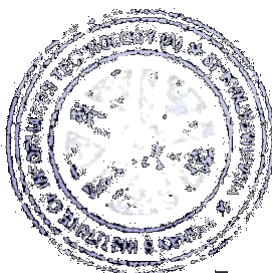
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A workshop on Research Conclave

S.NO	Day	Topic
1	1	Choosing suitable journal
2	2	Manuscript preparation procedures
3	3	Journal quality checking procedures
4	4	Text correction using various software
5	5	Journal h-index measurement procedure
6	6	Plagiarism checking and subsequent modifications
7	7	Reference styles

Speakers

1. Dr. VSKK Prasad, Director, Indian Institute of Petroleum and Energy
2. Mr. G. Srinu Babu, C.E.O., OMICS International Pvt. Ltd.
3. Shri K.K. Ghosh, Director projects, RINL
4. Shri M.P. Dubey, Session Chair, JD & OI, STPL, Visakhapatnam



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**A Five Day Workshop
On
Awareness of Trends in Technology
(Organised by ECE)
(10th - 14th March 2021)**




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Abstract

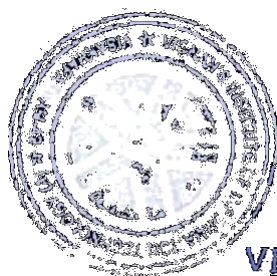
Bi-level Positive Airway Pressure (BIPAP) can be described as pressure controlled ventilation in a system allowing unrestricted spontaneous breathing at any moment of the ventilator cycle. Air purifiers are designed in a way to provide sufficient residence time to the contaminated air particles and maximize intensity, thus optimizing the filtration and disinfection technology. UV-C Band Sanitizing smart watch has all the functionality of a regular smart watch along with a special feature of sanitizing surfaces using UV rays. UV-C Band is an efficient virus killer. Sanitizing Chamber, used to screen people in various places like malls, hospitals, or any public gatherings. Just like the body scanner, an innovative Sanitization system is required to disinfect and sanitize the body from life threatening viruses such as the SARS-COVID19 (Corona Virus).

About the event

On March 10-11, 2021, from 5:30 p.m. to 6:30 p.m., the ECE department hosted a webinar on sharing the internship knowledge on BIPAP Ventilator, Air Purifier, UV-C Band Sanitizing Smart Watch, Non – Chemical & Non -Contact Sanitization System. It was delivered through virtual mode as a Capacity development and skill enhancement activity. The speaker of this webinar Dr.K.Murali Krishna, ECE Department, discussed about the BIPAP Ventilator, Air Purifier, UV-C Band Sanitizing Smart Watch, Non – Chemical & Non - Contact Sanitization System functions and applications with the IV B. Tech students. This webinar had a total of 45 participants. Faculty members also participated in the event and explained about the necessity and importance of these trends in technology.

Objective of the event

To motivate the IV B.Tech students towards an internship program. The internship module aims to provide the student with:




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1. A practice-oriented and 'hands-on' working experience in the real world or industry, and to enhance the student's learning experience.
2. An opportunity to develop a right work attitude, self-confidence, interpersonal skills and ability to work as a team in a real organizational setting.
3. An opportunity to further develop and enhance operational, customer service and other life-long knowledge and skills in a real-world work environment.
4. Pre-employment training opportunities and an opportunity for the company or organization to assess the performance of the student and to offer the student an employment opportunity after his/her graduation, if it deems fit.

About the Speaker



Dr.K.Murali Krishna, Professor in the department of Electronics and communication Engineering is having 24 years of teaching experience in academics and guiding scholars in the area of research fields of Radar Signal Processing, Image Processing and Communications.




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Summary of the Workshop:


Speaker delivered the information about trends in technology **BIPAP Ventilator** is a form of non-invasive ventilation (NIV) therapy used to facilitate breathing. BPAP machines can be used in hospitals, and are also available for those who need them at home. Home BPAP machines are compact — about the size of a toaster. The machine features a tube that connects to a mask which is worn over your nose and mouth. Like other ventilators, BPAP machines use pressure to push air into your lungs. Depending on the settings, this opens the lungs, improving the level of oxygen in the blood and decreasing the carbon dioxide.

AIR PURIFIER or air cleaner is a device which removes contaminants from the air in a room to improve indoor air quality. These devices are commonly marketed as being beneficial to allergy sufferers and asthmatics, and at reducing or eliminating second-hand tobacco smoke. The commercially graded air purifiers are manufactured as either small stand-alone units or larger units that can be affixed to an air handler unit found in the medical, industrial, and commercial industries. Air purifiers may also be used in industry to remove impurities from air before processing. Pressure swing adsorbers or other adsorption techniques are typically used for this.

UV-C Band sanitizing smart watch:

This concept describes a device consisting of a disinfectant wristband for the hands of the wearer and objects that the wearer intends to touch. This wristband can be powered automatically by the movement of the user's hand or by solar cells or, if necessary, by a power outlet. It disinfects the surface of the hands and the objects in front of them using an ultraviolet (UV) lamp. Control and monitoring can be carried out automatically or manually, which guarantees complete and effective disinfection. The electronic control system, which is fully integrated into the UV emitter head, regulates the intensity and duration of the UV radiation and also manages the electrical energy. In addition, the wristband can be fitted with an optional watch to improve its decoration and ergonomics. This hand sanitizing wristband can be an effective tool in the fight against the current




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COVID-19 pandemic and, in general, help to address the health challenges related to hygiene and disease prevention.

Non – chemical & Non - Contact Sanitization system:

This concept describes Cleaning, sanitizing and disinfecting is critical components to any healthy facility's operational procedures. Understanding the subtle differences between each component can also help ensure that each task is done properly, ensuring effective results. Sanitizing and disinfection, in particular, are crucial steps in preventing the spread of communicable diseases and illnesses throughout the population.

Sanitizing: Reducing the number of bacteria on a surface to a safe level.

Disinfecting: Complete removal or inactivation of bacteria, fungi and viruses on a surface.

Outcome of the Workshop:

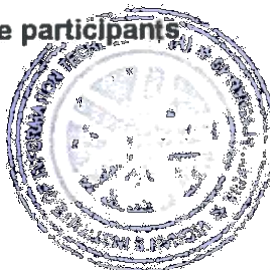
Upon successful completion of this workshop, the student would:

1. Try to solve real life challenges in the workplace by analyzing work environment and conditions, and selecting appropriate skill sets acquired from the course;
2. Exhibit critical thinking and problem-solving skills by analyzing underlying issue/s to the challenges.

Glimpses from the Workshop:



Interaction with the participants

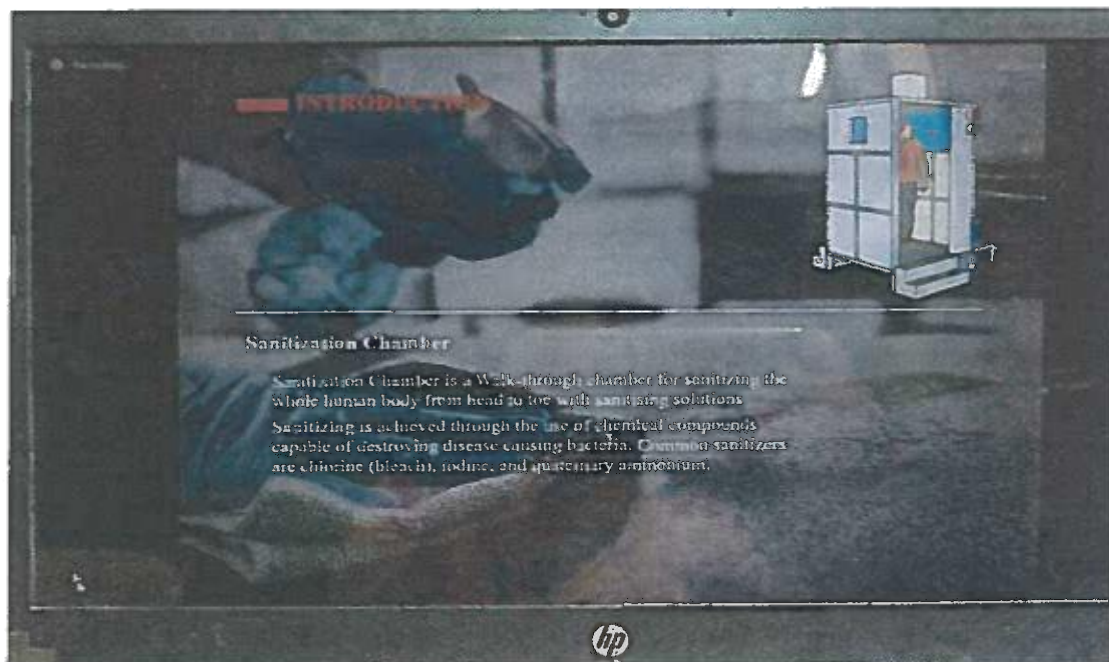


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Introduction to UV-C Band sanitizing smart watch



Introduction to Non – chemical & Non – Contact Sanitization system



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A Five Day Workshop

On

PYTHON

Organized by ECE Department

VIIT (A)

(27th May to 1st June 2021)




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About Department:

Department of ECE, VIIT (A) successfully organized a workshop on "Training on Python in 2021" from 27th May 2021 to 01st June 2021. The guest speaker for the session was Dr. Jakheer Hussain, Professor from ECE Dept., VIGNAN University, Guntur. It was a very informative workshop as Mr. Jakheer Hussain enlightened the audience with a wide range of topics and different libraries in Python. The workshop began with a word of appreciation by the respected event coordinator, Mrs. Y.Sukanya, HOD-ECE, and was addressed by Dr..K.MuraliKrishna, Dr.B.Arundathi, Principal VIIT, and Rector, Dr.V.Madhusudhana Rao. The session saw an overwhelming response from II year students of the department. A total of 74 students and some faculty participated in the session.

Objective

A lot more has changed this year due to the pandemic, making professionals realize that their role will not stay the same in the contactless world tomorrow. The workshop was aimed to enlighten young minds with different coding methods based on Python which will be useful further for the students in placements.

The Speaker

Prof. Jakheer Hussain, Professor from Dept. of ECE, Vignan University, is a highly motivated leader who has successfully taught several courses on Python motivating students towards coding techniques applicable to Python.

Summary of the Workshop

Workshop on Python Programming is organized by ECE Dept. from 27-05-2021 to 01-06-2021 for II year ECE students on 27-05-2021 and continued for one week in on line Mode. It is beneficial for II year students in the view of improving skills on coding and for their placement drives. In this duration he enlightened the students in coding techniques and day wise lectures covered the following issues.

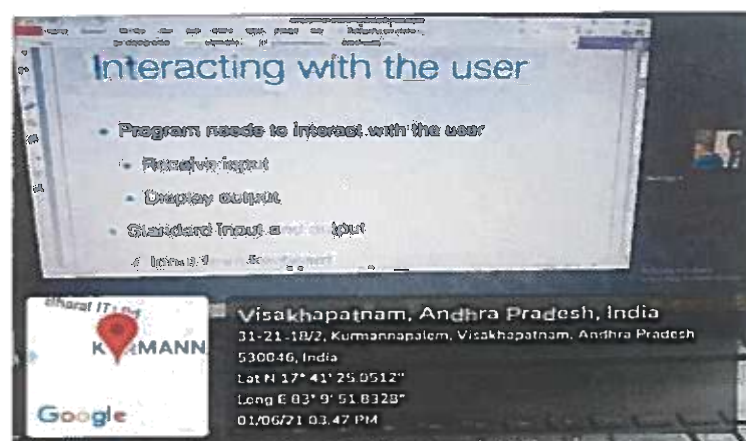
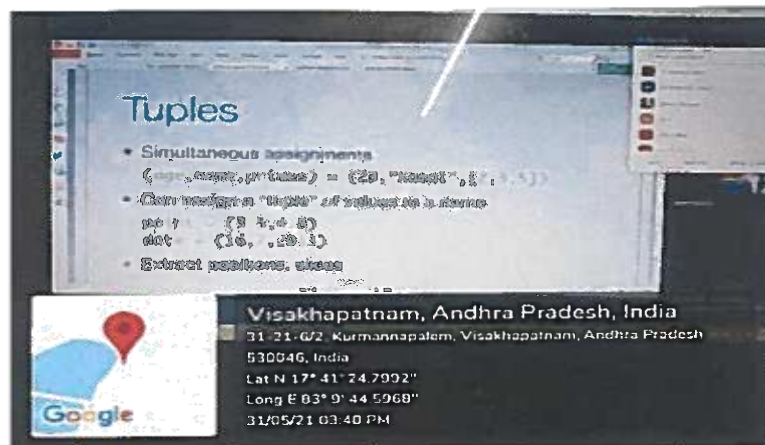
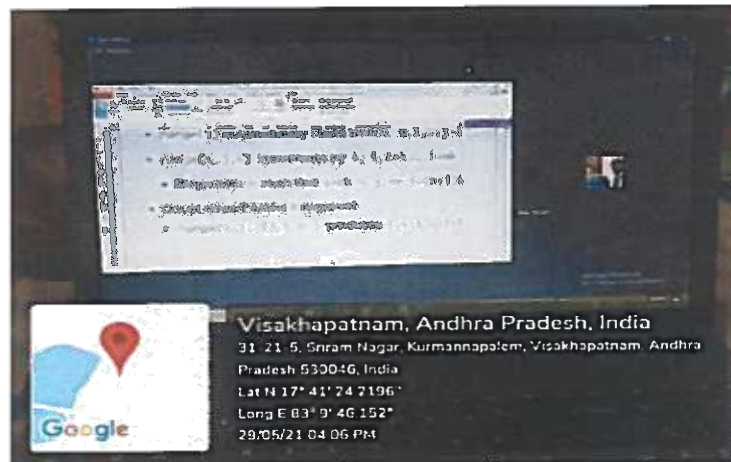
Workshop schedule:

S.NO	DAY	Topic
1	1	Introduction to Python programming
2	2	Defining variables and their importance
3	3	Problems solving using Python programming
4	4	Data structures
5	5	File handling in Python



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Glimpses from the Workshop:



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A Six Day Workshop

On

Research Approaches

(5th - 10th June 2021)

Organized by R&D CELL, VIIT(A)




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Research Approaches

(5th - 10th June 2021)

Abstract

The main objective of the workshop is to convert the B. Tech project to a conference/ Journal article. Problems related to journal submission, writing, selection of the free journal, etc, are addressed.

About the event

A research article is a written paper that illustrates an outcome of scientific research with supporting clinical data. This differs from other types of informative articles, such as magazine features or research papers, which typically address the topic in a general scope as a means of introduction. A research article, on the other hand, is written by and for researchers for the purpose of making specific findings known to the scientific community at large. In fact, rather than appearing in a consumer or industry publication, a research article is found exclusively in a peer-reviewed scientific or medical journal, such as The Journal of the American Medical Association, for example.

Objective of the event

The main objective of our workshop is to convert the B.Tech project to a conference/Journal article. It attempts to solve the problems related to journal submission, writing, selection of the free journal, etc.




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About the Speaker



Dr. Prasenjit Banerjee
Sr. Manager
CL Educate Ltd. New Delhi, India Organized by
R&D CELL, VIIT (A)

Summary of the Workshop

The speaker discussed details about the how to write an article, how to choose a suitable journal like SCI, Scopus etc. The speaker discussed in detail about the paper different parts like abstract, introduction, reference etc.

Outcome of the workshop

The participants have learnt

- ❖ to choose a suitable journal
- ❖ to write in a quality journal
- ❖ to avoid the mistakes in writing the research article
- ❖ about the SCI article

A workshop on Research approaches

TOPICS TO BE COVERED

S.NO	Day	Topic
1	1	Choosing suitable journal
2	2	Manuscript preparation, procedures
3	3	Journal quality checking procedures
4	4	Text correction using various softwares
5	5	Journal h-index measurement procedure
6	6	Plagiarism checking and subsequent modifications



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Structure of a Research Paper

- 1 INTRODUCTION
- 2
- 3
- 4
- 5
- 6
- 7 CONCLUSION

Information moves from broad to specific to broad

CL



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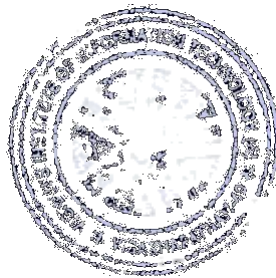
A One Day Training Program

On

Meditation and Yoga Skills

VIIT (A)

(21-6-2021)




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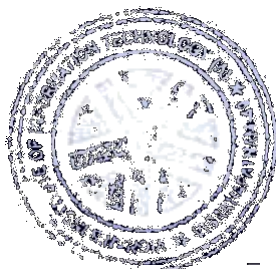
(Approved by AICTE - New Delhi & Affiliated to JNTUK, Kakinada)
Beside VSEZ, Duvvada, Vadlapudi Post, Gajuwaka, Visakhapatnam - 530 049.


About event:

National Service Scheme(NSS) unit of Vignan's Institute of Information Technology(Autonomous) is very active in organizing awareness rallies and programmes to create awareness among the students and public on issues related to health and hygiene. NSS unit of VIIT identifies interested and potential students to conduct health and fitness awareness programmes in the campus and surrounding region. It also encourages students to learn through programmes.

On the occasion of International Yoga Day, NSS Unit of Vignan's Institute of Information Technology (Autonomous) has conducted a training session on yoga for students and staff members. An expert trainer, Mrs. Devi has trained the students and gave tips on Yoga Asanas, breathing exercises and meditation. She emphasized the importance of yoga to control body and mind. Around 200 students and faculty members participated in the event. On this occasion, Dr.V.Madhusudhan Rao, Rector, addressed the students and faculty members and enlightened them about the yoga practice which helps to reduce mental stress and physical health. Dr.B.Arundathi, Principal, Dr.K.Madhusudhana Rao, Vice Principal and Dean-Students Affairs and NSS Volunteers were present in the event. They felicitated the trainer at the end of session.

NSS volunteers have made arrangements in big hall to accommodate around 455 participants practiced yoga for two hours after the training session. Training and Practice sessions went very well and participants felt happy over the Yoga Day celebrations. YouTube Video link of the event is given below:




VIGNAN'S INSTITUTE OF
Information Technology (A)
Beside VSEZ, Duvvada, Visakhapatnam-49



VIGNAN's INSTITUTE OF INFORMATION TECHNOLOGY
(AUTONOMOUS)

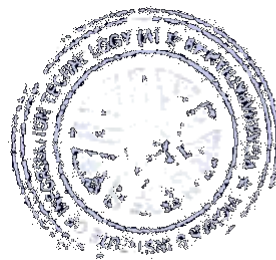
(Approved by AICTE - New Delhi & Affiliated to JNTUK, Kakinada)
Beside VSEZ, Duvvada, Vadlapudi Post, Gajuwaka, Visakhapatnam - 530 049.

Five day workshop

On

How to write a research article

(22nd - 26th June 2021)




VIGNANI'S INSTITUTE OF
Information Technology (A)
Beside VSEZ, Duvvada, Visakhapatnam-49



VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY (AUTONOMOUS)

(Approved by AICTE - New Delhi & Affiliated to JNTUK, Kakinada)
Beside VSEZ, Duvvada, Vadlapudi Post, Gajuwaka, Visakhapatnam - 530 049.

Workshop on How to write a research article

(22nd June 2021 to 26th June 2021)

ABSTRACT

The main motto of our workshop is to convert the B.Tech project to a conference/Journal article. We are trying to solve the problems related to journal submission, writing, selection of the free journal, etc. The speaker discussed details about the how to write an article, how to choose a suitable journal like SCI, Scopus etc.

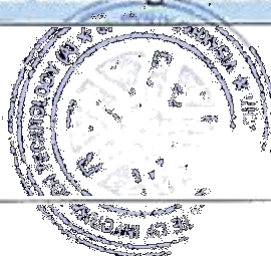
About the event

A research article is a written paper that illustrates an outcome of scientific research with supporting clinical data. This differs from other types of informative articles, such as magazine features or research papers, which typically address the topic in a general scope as a means of introduction. A research article, on the other hand, is written by and for researchers for the purpose of making specific findings known to the scientific community at large. In fact, rather than appearing in a consumer or industry publication, a research article is found exclusively in a peer-reviewed scientific or medical journal, such as The Journal of the American Medical Association, for example. In this event a detail about the research article is discussed.

Objective of the event

The main objective of our workshop to convert the B.Tech project to a conference/Journal article. The focus is on addressing issues regarding the problems related to journal submission, writing, selection of the free journal, etc. The following topics will be addressed in the workshop

S. No	Day	Topic
1	1	Selection of suitable journal
2	2	Preparation script
3	3	Journal quality checking procedures
4	4	Eliminations of mistakes from the script
5	5	SCI articles checking and h-index calculation



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Beside VSEZ, Duvvada, Visakhapatnam - 530 049

The chief mentor discussed the importance of the work shop its use for research and development purpose.

Summary of the Workshop

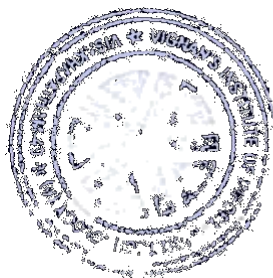
The speaker discussed details about the how to write an article, how to choose a suitable journal like SCI, Scopus etc. The speaker discussed in detail about the paper different parts like abstract, introduction, reference etc.

Outcome of the WORKSHOP:

The participants learn

- to choose a suitable journal
- to write the quality journal
- to avoid the mistakes in the article text
- to identify the SCI article

The talk concentrated on writing research papers and the hands-on session is aimed at the faculty members. The conversation continued after lunch. The session concluded with an assignment that enabled each participant to apply their knowledge to the application. The aim of the workshop is to prepare a research publication of each faculty member. A valedictory session took place at 4:30 PM on the last day. Dr. V. Madhusudhan Rao, Rector of VIIT, Dr. B. Arundathi, Principal of VIIT, Dr. K.Madhusudana Rao, Vice principal, Dr. Koonam Ramjee, Resource person, and all faculty members participated.




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limpses from the Workshop

Indian Society is presenting

Report Purpose

- Inform readers of research results precisely, concisely, and specifically
 - They shouldn't have to read whole report to get essential points

5:40 PM hck-kwvn-kgd

People

Name	Video	Audio
Add people		
shargharya		
anhu vsk		
an		
stephen head		
subhis		
subarn gajapati		
sunphy's yadava		
swapna reddy		
Soumitra		
swasthi yadava		

Indian Society is presenting

Report Format and Organization

- Discussion
 - Assesses and comments on research results
 - Includes.
 - Explanation for Results
 - Comments on unexpected results, offering hypothesis for them
 - Comparison to literature
 - Does your research confirm previous studies? Deviate from them?
 - Explanation for how info can be applied in broader context

6:07 PM hck-kwvn-kgd



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Information Technology (A)
Beside VSEZ, Duvvada, Visakhapatnam-49

AIMTDR2010 International Conference is presenting

THESIS/PAPER STATEMENT EXAMPLES

Essay Topic: Write an analysis of some aspect of Mark Twain's novel Huckleberry Finn.

- Poor Example: "Mark Twain's Huckleberry Finn is a great American novel."
- Better Example: "In Huckleberry Finn, Mark Twain develops a contrast between life on the river and life on the shore."
- Best Example: "Through its contrasting river and shore scenes, Twain's Huckleberry Finn suggests that to find the true expression of American democratic ideals, one must leave "civilized" society and go back to nature."

4:12 PM hck-kwvni-kzqd

People

AIMTDR2010...

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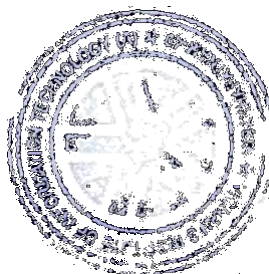
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bhargavi ch

Others

You




PRINCIPAL
VIGNAN'S INSTITUTE OF
Information Technology (AI)
 Beside VSEL, Duvvuri, Vijayawada-49



VIGNAN's INSTITUTE OF INFORMATION TECHNOLOGY
(AUTONOMOUS)

(Approved by AICTE - New Delhi & Affiliated to JNTUK, Kakinada)
Beside VSEZ, Duvvada, Vadlapudi Post, Gajuwaka, Visakhapatnam - 530 049.

Two day National workshop

On

***"THE REVISED ACCREDITATION FRAMEWORK OF NAAC-2020: THE PRACTICE
OF QUALITY INITIATIVES BY IQAC FOR THE QUALITY ENHANCEMENT IN HEP's"***

(14th May 2021 - 15th May 2021)

Sponsored by



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Organized By

Internal Quality Assurance Cell (IQAC)

VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY

(Autonomous)

(Approved by AICTE & Affiliated to JNTUK, Kakinada)

Re-Accredited by NAAC with "A" Grade (3.41/4.00), NBA Accredited &

ISO 9001:2015, ISO 14001:2015, OHAS 18001:2007 Certified Institution

Beside VSEZ , Duvvada,Vadlapudi Post , Gajuwaka Visakhapatnam -530049 , A.P., India

Telephone: 0891 - 27 55 222/333/444/555, E-Mail:vignaniit@yahoo.com



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VIGNAN'S INSTITUTE OF
Information Technology (A)
Beside VSEZ, Duvvada, Visakhapatnam-49

Brief note about the college:

Vignan's Institute of Information Technology (VIIT) is established in the year 2002 in Visakhapatnam, the city of destiny, which is led by visionary, Dr. Lavu Rathaiah, Chairman, Lavu Educational Society. Vignan's Institute of Information Technology (A) is affiliated to the JNT University, Kakinada and is Re-Accredited by NAAC with „A“ Grade with a CGPA of 3.41/4.00 and is also accredited by NBA for five UG programs namely Computer Science Engineering, Electronics and Communication Engineering, Mechanical Engineering, Information Technology and Electrical and Electronics Engineering branches. UGC conferred the status of Autonomy in the year 2017. The Institution has granted recognition under section 2(f), & 12(B) of the UGC Act, 1956 in 2014. The institute envisioned to be a recognized leader in technical education and is aimed at national excellence by creating competent and socially conscious technical manpower for the current and future Industrial requirements.

Theme of the Workshop:

“THE REVISED ACCREDITATION FRAMEWORK OF NAAC-2020: THE PRACTICE OF QUALITY INITIATIVES BY IQAC FOR THE QUALITY ENHANCEMENT IN HEIS”

Theme: To discuss the role of practicing quality initiatives, reforms, quality assurance and harmonization in HEIs.

Subthemes:

- Effective progression in the performance of academic and administrative affairs
- Modern methods of Teaching and Learning in HEIs
- Quality initiatives in Teaching - Learning and Evaluation
- Student progression-the importance of creativity and Innovation
- Quality initiatives of IQAC in the direction of new educational reforms in HEIs
- Best practices in HEIs
- Automation in the process of implementation of IQAC


Purpose of the Workshop:

Quality Initiatives and Evaluation Reforms in HEIs in India have been emerging as one of the most important key factors in the assessment and accreditation process. The overall quality of higher education is the main concern in policy framing and for that it has been made mandatory to obtain accreditation of Higher Education Institutions (HEIs) by the National Assessment and Accreditation Council (NAAC) to improve quality. The establishment of Internal Quality Assurance Cell (IQAC) by accredited institutions (after the first cycle) is one of the major steps in pushing long-term quality standards of the institution. Internal Quality Assurance Cell in VIIT plays a crucial role in maintaining the quality in all the directions. It is the administrative body which takes the prime responsibility to initiate, plan and supervise various activities that are necessary to increase the quality of the education imparted in any institution. The workshop focused on the various quality initiatives to be taken by Higher




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Information Technology (A)
Beside VSEZ, Duvvuri, Visakhapatnam-49

Educational institutions in enhancing quality education starting from framing the curriculum to ensuring a highly specialized teaching fraternity in order to implement the best innovative practices in the institution. The main purpose of the seminar is to give inputs to the novice teaching fraternity and the administrative members on the ways of enhancing quality standards in teaching, learning and evaluation, promoting co-curricular, extra-curricular and other types of activities as a part of asserting quality in teaching, learning and evaluation, promoting stimulating and monitoring the internal evaluation and assessment of the students. Besides the above, the seminar enlightens the role of IQAC as an administrative body to administer various academic activities in the institution especially in conducting internal academic as well as administrative audits, taking feedback from students, parents and other stakeholders on quality-related institutional processes and incorporating it in the Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.




VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY
LAURUSSEMENT
IQACNLW-2021
14th - 15th May, 2021

Sponsored by
NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL


Importance of the Event

- The Indian higher education system is on the brink of great transformations to cope with global competence.
- The overall quality of higher education is the main concern in policy framing and for that it has been made mandatory to obtain accreditation of higher education institutions (HEIs) by the National Assessment and Accreditation Council (NAAC) to improve quality.
- The establishment of Internal Quality Assurance Cell (IQAC) by accredited institutions (after the first cycle) is a major step in pushing long term quality standards. IQAC in any institution is a significant administrative body that is responsible for all quality matters.

QUALITY ASSURANCE



The IQACNLW2021 focuses on the various quality initiatives to be taken by Higher Educational Institutions for the enhancement of Quality education.



VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY
LAURUSSEMENT
IQACNLW-2021
14th - 15th May, 2021

Sponsored by
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Objectives of the Event

- To obtain strategic initiatives for sustainable quality enhancement.
- To enlighten self-confidence to strengthen the existing standards of institutions in the direction revised accreditation framework of NAAC.
- To imbibe the consistency, accountability, and innovative thoughts through IQAC in Higher education Institutions.

Expected Outcome

The participants shall be able to understand the initiatives to be taken in the direction of new educational reforms in assessing the quality education vis-à-vis revised NAAC Accreditation process 2020.

Promotion of the Workshop:

The Seminar is planned three months prior to the execution and the brochures are shared to the institutions in all the states through social media. The event brochures are provided here:




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VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY (A)
 Beside VEEZ, Duvvada, Vijitham-49

ABOUT VIT

Vignan's Institute of Information Technology (VIT) was established in the year 2002 in the City of Destiny, Visakhapatnam, Andhra Pradesh, India. It is promoted by Visionary Dr. Lavu Raghurish, Chairman, of Lavu Educational Society, Guntur, Andhra Pradesh, India. Vignan's Institute of Information Technology (A) is affiliated to the JNT University, Kakuradi. The institute envisioned to be a recognised leader in technical education and is aimed at national excellence by creating competent and socially conscious technical manpower for the current and future industrial requirements. Vignan's Institute of Information Technology (A) is Re-Accredited by NAAC with 'A' Grade CGPA 3.41/4.00 and also accredited by NBA for FIVE UG programs such as Computer Science, Electronics and Communication Engineering, Mechanical Engineering, Information Technology and Electrical and Electronics Engineering branches. Institute is also conferred with Autonomous Status by UGC in the year 2017 and University Grants Commission, New Delhi has granted recognition under section 2(f), & 12(B) of the UGC Act, 1956 in the year 2014.

VIT is now offering Eight UG Programs (Civil Engineering, Computer Science, Electronics and Communication Engineering, Mechanical Engineering, Information Technology, Electrical and Electronics Engineering, Electronics and Computer Science and Artificial Intelligence and Data Science) and 10 PG Programs including B.M. Tech Programs (MID, PAID, ECE, DECS, AIM, ML, CSE, IT, TE), MBA, MCA with the Annual intake of 1584 and 5000+ students studying every years at UG and PG Level. The institute is being recognized by JNTUK, Kakuradi as Research Centre for Advance Research activity and also recognised by Govt. of Andhra Pradesh with 'A' Grade in terms of Key performance Indicators in Engineering Education. The institute consistently achieving more than 85% placements every year with the highest annual package of Rs. 24 Lakhs per annum from companies like, AMAZON, Microsoft, CISCO etc.

OBJECTIVES OF WORKSHOP

1. To obtain strategic initiatives for sustainable quality enhancement.
2. To enlighten self-confidence to strengthen the existing standards of institutions in the direction of revised accreditation framework of NAAC.
3. To imbibe the consistency, accountability and innovative thoughts through IQAC in Higher Education Institutions.

ABOUT WORKSHOP

In this two-day workshop on field of practice of quality initiatives by IQAC for the quality enhancement in Indian higher education system is on the brink of great transformations to cope with global competence. The workshop focuses on the various quality initiatives to be taken by Higher Educational institutions for the enhancement of Quality education i.e. from the Curriculum Framing, Ensuring a highly specialized teaching fraternity to implementing innovative best practices in the institution, To maintaining quality standards in teaching, learning and evaluation, Promoting co-curricular, extra-curricular and other types of activities as a part of asserting quality in teaching, learning and evaluation, Promoting standardize and monitoring the internal evaluation of the students, e.g., tests, tutorials, assignments, practicals, and projects etc. In addition to the above, the workshop is also proposing to enlighten the importance of IQAC as a capable body to administer various academic/educational activities in the institution like, conducting internal Academic as well as Administrative Audits, Arrangement for feedback response from students, parents and other stakeholders on quality-related educational processes and Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

EXPECTED OUTCOME

The participants shall be able to understand the Initiatives to be taken in the direction of new educational reforms in assessing the quality education vis-à-vis revised NAAC Accreditation process 2020.

KEY NOTE SPEAKER

Eminent speakers from reputed organisations like, IIT's, NIT's, Central & State Universities and Accredited Agencies.

Who can Participate?

Senior Faculty from HEIs, Administrative Officers, College Principals, IQAC and NAAC Co-coordinators shall constitute the participant group of this National Workshop.

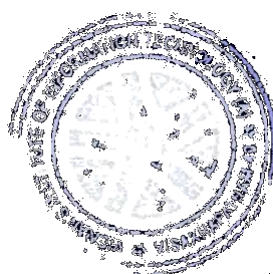
Registration Link: <https://cutt.ly/ZvXSBG0>
(No Registration Fee)

Mode of Workshop:
Online Webinar

QUALITY ASSURANCE



**INTERNAL QUALITY ASSURANCE CELL
(IQAC)**



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VIGNAN'S INSTITUTE OF
Information Technology (A)
Beside: VSEZ, Duvvada, Visakhapatnam-4a

THE REVISED ACCREDITATION FRAMEWORK OF NAAC-2020:

THE QUALITY INITIATIVES BY IQAC FOR THE QUALITY
ENHANCEMENT IN HES'

14th & 15th MAY, 2021

PROGRAMME SCHEDULE

Date & Time	Theme
14-05-2021 10.30AM to 11.00AM	Introductory Session
14-05-2021 11.00AM to 12.30PM	Quality initiatives of IQAC in the creation of new educational reforms in HEIs. By Prof. K. RAMA MOHANA RAO Vice Chairman, APSCE Govt. of A.P.
14-05-2021 2.00PM to 3.00PM	Effective progression in the performance of academic and administrative affairs. By Prof. M. RAJA SHEKHAR Deputy Director of the Government of Karnataka
14-05-2021 3.15PM to 4.15PM	Student progression-the importance of creativity and Innovation. By Dr. S. MADHUSUDAN RAO Dean, VIGNAN Group of Institutions
14-05-2021 10.00AM to 11.15AM	Modern methods of teaching and learning in HEIs By Dr. G. V. ANIL KUMAR, Professor B.M.S. College of Engineering, Karnataka
15-05-2021 11.30AM to 12.45PM	Quality Initiatives in Curricular Development, Teaching-Learning and Evaluation By Prof. G. RAMPASAM In-charge Academic Coordinator, Vignan Group
15-05-2021 2.00PM to 3.15PM	Best practices and quality initiatives in HEIs By Prof. A. Ramji, Dept. of Mechanical Engineering, A.U., A.P.
15-05-2021 3.30PM to 4.00PM	Validation Session

Chief Patron

Dr. L. Rathiah, Chairman, Vignan Group

Patron

Mr. L. Krishna Devarayulu, Vice-Chairman, Vignan Group

Dr. V. Madhusudan Rao, Rector

Mr. N. Srikanth, Executive Director

Chief Guest

Dr. B. Arundhati, Principal

Co-Chair Person

Dr. K. Madhusudhana Rao, Vice-Principal & Dean-Student Affairs

Convener

Dr. Ch. Hari Govinda Rao, Dean-IQAC

Co-Conveners

Dr. K. Srinivas Naik, Assoc. Professor

Dr. V.S.V. Satyanarayana, Asst. Professor

Advisory Committee

Mr. R. Sundara Raman, Dean of Administration

Dr. Syed Kamaluddin, Dean-Academics

Dr. B. Sateesh, Dean of Evaluation

Dr. E. Laxmi Lidiya, Dean R&D

Mr. K.R. Satyanarayana, Dean-Placements

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Mr. Ch. Siva Rama Krishna, HoD-MECH

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Dr. B. Prasad HoD-IT

Mr. B. Divesh Reddy HoD-CSE

Dr. P. Ramesh, HoD-MBA

Mrs. R. Uma Maheswari, HoD-ECM

Dr. T. Setyaguru, HoD-BS&H

Organizing Committee

Dr. B. Prasad Rao

Mr. B. Brahmanah

Dr. MPVV Bhaskar Rao

Kanaka Banthi

Dr. Ch. Hari Govinda Rao 9550782979

Dr. K. Srinivas Naik 9966892855

Dr. V.S.V. Satyanarayana 9849625525

iqacnfw2021@gmail.com



A Two Day National Workshop

ON

THE REVISED ACCREDITATION FRAMEWORK OF NAAC-2020:

THE QUALITY INITIATIVES BY IQAC FOR THE QUALITY
ENHANCEMENT IN HES'

14th & 15th MAY, 2021

Organized by

INTERNAL QUALITY ASSURANCE CELL (IQAC)

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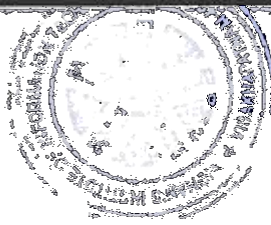


VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY

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Approved by NAAC for the purpose of awarding the NAAC Accredited status to the Institute.

For more information, visit the website: www.vignan.edu.in

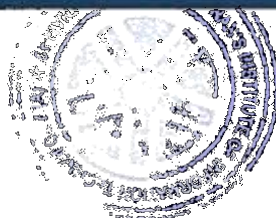


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Information Technology (A)
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VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY[A]::VISAKHAPATNAM		
IQACNLW – 2021		
Registration	Venue: ZOOM an online Platform	
	10:00-10:25	Reception: Welcoming all the participants through Zoom Online Platform
Inauguration session	Day1: 14 th May 2021 :: Session 1 :: Inaugural Session	
	Time(AM-PM)	Title Speaker
	10:30-10:35	Officiate the IQACNLW2021 - Welcome note by Convener Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT[A], Visakhapatnam
	10:36-10:45	Opening Remarks by Chair Person Dr.B.Arundhati, Co-Patron Principal, VIIT[A], Visakhapatnam
	10:46-10:55	Message by Patron Dr. V. Madhusudhan Rao Rector- VIIT[A], Visakhapatnam
Inaugural Session concludes followed by Technical session 1		
Technical Session 1	Technical Session-1:: "The Quality Initiatives of IQAC in the direction of New Educational Reforms in HEIs"	
	11:00-11:05	Welcome Note by Session Chair Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT[A], Visakhapatnam
	11:06-12:15	Presentation by Keynote Speaker Prof. K. RAMA MOHANA RAO Director IQA & Vice Chairman, APSCHE, Govt. of AP
	12:16-12:25	Q&A
	12:26-12:30	Concluded Remarks & Vote of thanks Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT[A], Visakhapatnam
Session concludes		
Technical Session 2	12:30-01:45	Lunch Break
	01:45-2:00	Reception: All the participants are allowed to login to Zoom Platform
	Technical Session-2:: The role of IQAC in the Effective progression in the performance of academic and administrative affairs	
	2:00-2:05	Welcome Note by Session Chair Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT[A], Visakhapatnam
	02:06-02:55	Presentation by Keynote Speaker Prof. B.RAJASHEKHAR Pro-Vice Chancellor University of Hyderabad
Technical Session 3	02:56-03:00	Q&A
	03:01-03:05	Concluded Remarks & Vote of thanks Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT[A], Visakhapatnam
	Followed by Session -3	
	Technical Session-3:: The Student Progression, The importance of creativity and Innovation	
	03:15-03:20	Welcome Note by Session Chair Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT[A], Visakhapatnam
Technical Session 3	03:21-04:05	Presentation by Keynote Speaker Dr. V. Madhusudhan Rao Rector-Vignan's IIT, Vizag
	04:06-04:10	Q&A
	04:11-04:15	Concluded Remarks & Vote of thanks Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT[A], Visakhapatnam
Day 1 Session Concludes		



VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY(A)::VISAKHAPATNAM		
IQACNLW - 2021		
Day 2 : 15 th May 2021		
Venue: ZOOM an online Platform		
09:30-09:55	Reception: Welcoming all the participants through Zoom Online Platform	
Technical Session 4	Technical Session-4:: Modern Methods of Teaching and Learning in Higher Educational Institutions	
	10:00-10:05	Welcome Note by Session Chair By Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT
	10:06-11:15	Presentation by Keynote Speaker Dr.G.Vara Prasad Rao Professor, B.M.S. College of Engineering, Bangalore
	11:16-11:20	Q&A
	11:21-11:25	Concluded Remarks & Vote of thanks By Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT
Session concludes followed by session 5		
Technical Session 5	Technical Session-5:: Quality Initiatives in Curricular Development, Teaching, Learning and Evaluation in HEIs	
	11:30-11:35	Welcome Note by Session Chair By Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT
	11:36-12:30	Presentation by Keynote Speaker Prof. K.R.S.Sambasiva Rao Vice-Chancellor Mizoram Central University
	12:31-12:40	Q&A
	12:41-12:45	Concluded Remarks & Vote of thanks By Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT
Session concludes		
	12:45-01:45	Lunch Break
	01:45-2:00	Reception: All the participants are allowed to login to Zoom Platform
Followed by Session -6		
Technical Session 6	Technical Session-6:: "Quality Initiatives and Best practices in HEIs"	
	2:00-2:05	Welcome Note by Session Chair By Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT
	02:06-03:00	Presentation by Keynote Speaker Prof. K.Ramji Professor, Andhra University
	03:00-03:10	Q&A
	03:11-03:15	Concluded Remarks & Vote of thanks By Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT
Session Concludes; followed by Valedictory		
Valedictory	Valedictory Session	
	03:20-03:25	Welcome note by Convener Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT(A), Visakhapatnam
	03:26-03:35	Message by Chair Person Dr.B.Arundhati, Co-Patron Principal, VIIT(A), Visakhapatnam
	03:36-03:45	Message by Patron Dr. V. Madhusudhan Rao Rector- VIIT(A), Visakhapatnam
	3:46-3:50	Vote of thanks by Convener Dr. Ch. Hari Govinda Rao Dean IQAC, VIIT(A), Visakhapatnam
Seminar Concludes		



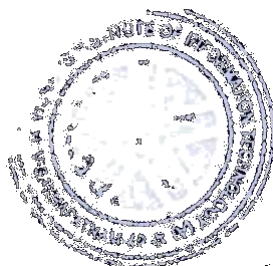
HIGHLIGHTS OF THE EVENT- AT A GLANCE:

The NAAC sponsored TWO DAY NATIONAL Workshop on “The Revised Accreditation Framework of NAAC-2020: The Practice of Quality Initiatives by IQAC for the Quality Enhancement In HEIs” was organized with the name IQACNLW-2021 on 14 and 15 May 2021 by the IQAC, Vignan’s Institute of Information Technology, Visakhapatnam, Andhra Pradesh through Online-Webinar Mode.

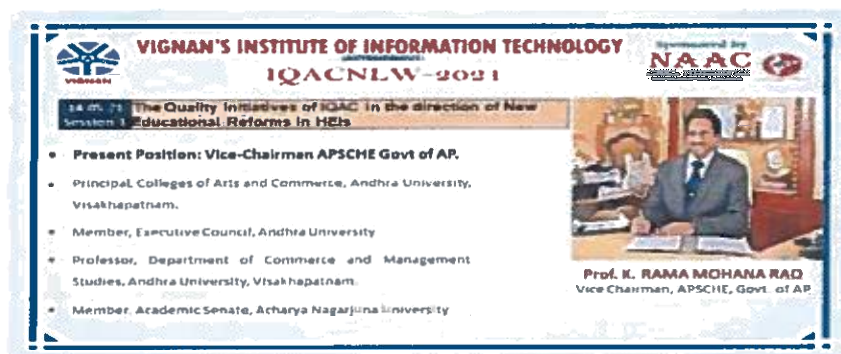
About Key note speakers: Well experienced and versatile key note speakers with more than 25 years of experience in handling various administrative positions like Director, Dean, Principal, Rector, Vice Chancellor are identified from various premiere Autonomous Institutions, Universities and State Government Bodies like State Council for Higher Education. Each and every speaker possessed sound knowledge on the NAAC accreditation process.

The Workshop started with the Inaugural session on 14 May 2021 at 10.30AM, followed by Technical Sessions. **Dr. B. Arundhati, Principal** and **Dr. V. Madhusudhana Rao, Rector** of Vignan’s Institute of Information Technology inaugurated the Workshop. **Dr. Ch. Hari Govinda Rao, Dean IQAC** acted as Convener of this seminar, IQACNLW-2021. In the opening remarks **Dr. Ch. Hari Govinda Rao, the convener**, presented “the objective of NAAC in Assessment and Accreditation is to make quality the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives”. **Dr. B. Arundhati, Principal** emphasized that colleges who applied best practices in Teaching Learning had positive impact on their assessment and accreditation process earning them the expected NAAC grade or score. **Dr. V. Madhusudhana Rao, Rector** and the Chief Guest highlighted the importance of NAAC accreditation. He reiterated the impact created by the NAAC Accreditation in providing conducive ambiance among stakeholders and society. After inaugural session, the technical sessions started from 10.30AM.

In order to meet the event objectives, **IQACNLW-2021** is categorized into **SIX** technical sessions. The Resource Person for the first session is **Prof. K. Ramamohan Rao, AP State Director Internal Quality of HEIs & Vice chairman, Andhra Pradesh State Council for Higher Education (APSCHE)** who presented various Philosophies of Quality Enhancement, Criteria-wise preparation for NAAC. He highlighted the key aspects of Quality initiatives in the direction of Educational Reform as per the New Educational Policy. He elaborated in detail about the major reforms assessment and evaluation system in HEIs.



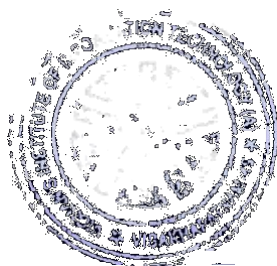

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The Resource Person of the second session is Prof. B. Rajasekhar, Pro Vice Chancellor, University of Hyderabad. He emphasized on “The Role of IQAC in the Effective Progression in the performance of academic and administrative affairs”. He explained the role of IQAC in overall development of institution and suggested to initiate various cells like Alumni, SAC and Extension Activities Cells. He also shared his experiences as Director of Internal Quality Assurance Cell (IQAC), University of Hyderabad.



The Resource Person of the third session is Prof. V. Madhusudhana Rao, Rector, Vignan's Institute of Information Technology (A), Visakhapatnam. He shared his experiences on the topic “The Student Progression, the Importance of Creativity and Innovation”. In his presentation he said that performance is a function of ability, motivation and resources. He also highlighted the reasons for more success rate of Higher Education in Western Countries. He emphasized the role of a teacher in HEIs and seven principles of good practice in undergraduate education. He also mentioned dropout ratio of students under Student Progression.



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14-05-21 The Student Progression, The importance of creativity and innovation
Session: 1

Present Position: DEAN, ENGINEERING AND MANAGEMENT, Vignan's University and RECTOR, Vignan's Institute of Information Technology, Vizag.

- Graduated from Osmania University & M.Tech and Ph.D from IIT, (BHU, Varanasi)
- FELLOW OF ROYAL SOCIETY, London, also Member-IEEE, ISTE, ISTD, IICE
- Founder Principal, Vignan LARA, Guntur Awarded as Best Principal Engineering Colleges in AP
- Guided 4 Ph.D and Published more than 40 Publications



Dr. V. Madhusudhan Rao
Rector Vignan's IIT, Vizag

The Resource Person of the fourth session is Prof. G. Vara Prasada Rao, B.M.S. College of Engineering, Bangalore. He presented the topic “Modern Methods of Teaching and Learning in Higher Educational Institutions”. He discussed FAQ’s on CO attainments, Direct and Indirect Assessment tools for CO, CO and PO, Final PSO attainment level, PEO attainment levels. He made the session more interactive by asking multiple choice questions to the participants on PO/CO/PSO attainments.


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Modern Methods of Teaching and Learning in Higher Educational Institutions

Present Position: Professor, B.M.S. College of Engineering, Bangalore

- He has 64 journal papers, 54 conference papers,
- Holds 22 patents/copyrights (and 2 applied), has authored 4 textbooks and 13 awards.
- He executed 9 external funded R&D projects, 3 consultancy projects worth 1.3 Crores.
- He has been actively involved as an expert member in various committees such as AICTE, NBA, DRDO, ADA, UPSC, DST



Dr. G. Vara Prasada Rao
Professor, B.M.S. College of Engineering, Bangalore


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15-05-21 Quality Initiatives in Curricular Development, Teaching, Learning and Evaluation in HEIs
Session: 5

Present Position: Vice Chancellor Mizoram Central University (A Central University)

- Visiting Professor, Univ. of Malaysia, UCSI University, Malaysia, INDICASAT, Republic of Panama
- Ph.D. in Pharmaceutical Sciences, and Ph.D. Zoology
- Guided 25 Ph.Ds. and 20 M.Phil(s) and Published more than 250 publications
- General Secretary, Association of Biotechnology and Pharmacy (Since 2007) Vice-President of Indian Society of Comparative Physiology (Since 2010)



Prof. K.R.S. Sambasiva Rao
Vice Chancellor
Mizoram Central University
(A Central University)



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The resource person of the fifth session Prof. K.R.S.Sambasiva Rao, Vice-Chancellor, Mizoram Central University. He presented the topic “Quality Initiatives in Curricular Development, Teaching, Learning and Evaluation in HEIs”. He explained SSR submission stages and distribution of weightage in NAAC Accreditation. He highlighted Criteria-wise key indicators/metrics in detail. He gave clarification on IIQA Application process, Data Validation and verification during the process of preparing SSR Report.

Attendance of the Participants:

There was a huge response from various parts of the country. However, the organizing team shortlisted only 187 participants from different institutions.

S. No.	Session	Total Participants	Number of Participants within the State	Number of Participants from outside the state
1	Session – 1 (Day-1)	187	141	46
2	Session – 2 (Day-1)	187	141	46
3	Session – 3 (Day-1)	187	141	46
4	Session – 4 (Day-2)	187	141	46
5	Session – 5 (Day-2)	187	141	46
6	Session – 6 (Day-2)	187	141	46
7	Valedictory Session	187	141	46

The Resource Person of the sixth session is Prof. K. Ramji, Department of Mechanical Engineering, AUCE (A), Andhra University and Former Vice – Chancellor, Dr. B.R. Ambedkar University, Srikakulam presented the topic “Quality Initiatives and Best Practices in HEIs”. He highlighted the importance of Total Quality Management and Quality of Higher Education. He enlightened the audience on Education Models, proposed Outcome Based Engineering Education, E learning and Blended Learning and Blooms Taxonomy.



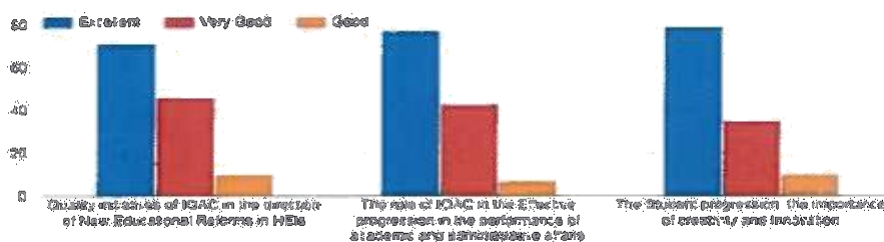
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Feedback of Participants:

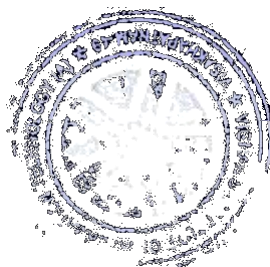
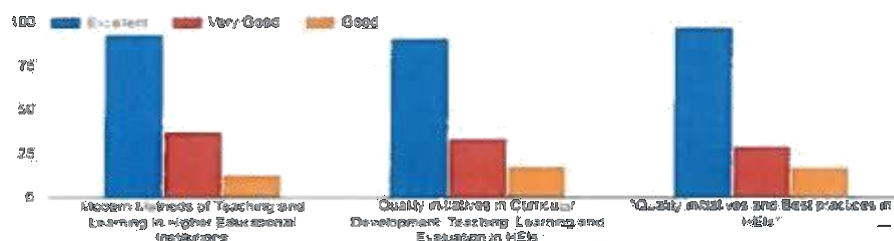
Questionnaires	Day - 1					Day - 2				
	5 (Excellent)	4	3	2	1 (Poor)	5 (Excellent)	4	3	2	1 (Poor)
Presentation relates clearly and directly to the theme of the Workshop	70.2%	25.8%	4%			85.3%	12.6%	1.4%		
Presentation is well-placed and well-timed	70.2%	25.8%	4%			77.6%	19.6%	2.8%		
Presenters are the knowledgeable about the topic being presented	78.2%	20.2%	1.6%			84.6%	11.9%	2.8%		
Participants are learning something new that will enhance the Quality initiatives and Best practices in HEIs	74.2%	22.6%	3.2%			79%	18.9%	2.1%		
I gained new information about the topic of this event	77.4%	18.5%	4%			75.5%	22.4%	2.1%		
Overall Feedback Day-1	73.4%	24.2%	2.4%			79%	18.9%	2.1%		

Participants Feedback:

Overall Feedback on each session Day-1



Overall Feedback on each session Day - 2



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