



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

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6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the last five years

Supporting Documents for Professional development/ Administrative training programs, Annual Report, Brochures and Reports for the Last Five Years

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Academic Year 2021-2022

List of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during 2021-2022

Program No.	Year	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organized for teaching staff	Title of the administrative training program organized for non-teaching staff	No. of participants
1.	2021-2022	27/6/2022 & 28/6/2022	NAAC Sponsored Two Day National Level Online Workshop on Quality Assessment & Accreditation in HEIs	--	450
2.		25/10/2021 to 31/10/2021	Faculty Development Program on Administrative Capacity Building	--	375
3.		27/11/2021	"Winners are not those Who Never Fail but those Who Never Quit"	"Winners are not those Who Never Fail but those Who Never Quit"	285
4.		23/10/2021	Application of Embedded Controllers and Sensors for Smart Environment	--	135
5.		27/01/ 2022	Webinar on Two Wheels One Life	Webinar on Two Wheels One Life	289
6.		11/03/ 2022	Life Skill Development Program on YOGA	Life Skill Development Program on YOGA	89
7.		04/09/ 2021	Art of Successful Writing	--	46
8.		08/07/ 2022	Diving Deep into Cyber security"	Diving Deep into Cyber security"	112
9.		02/08/2021 to 06/08/2021	Anti-Harassment	Anti-Harassment	358
10.		15/03/2022 to 17/03/2022	Fire Extinguishing and Behavior based Safety (BBS)	Fire Extinguishing and Behavior based Safety (BBS)	245



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11.		21st June 2022	An Approach to Holistic Wit by Dint of Yoga	An Approach to Holistic Wit by Dint of Yoga	175
12.		6/12/2021 to 8/12/2021	--	Lab Safety Protocols	75
13.		9/2/ 2022-11/2/2022	FDP on Out of the Box	--	98
14.		31/01/2022 – 4/02/ 2022	FDP on Training the trainers	--	102
15.		26-11-2021 & 27-11-2021	Cloud Infrastructure and Servicers with soft skills	Cloud Infrastructure and Servicers with soft skills	45
16.		08-06-2021 to 09-06-2021	Basics of Computer Hardware and Networking	Basics of Computer Hardware and Networking	56
17.		26th July 2021 to 31st July 2021	Faculty Development Program on Smart Grid and Sustainable Energy Management in Virtual Power Plants	--	58
18.		19th -24th July, 2021	Design and Application of Critical Care Equipment's	Design and Application of Critical Care Equipment's	45
19.		11th October 2021	Hands on training on CPR	Hands on training on CPR	79
20.		January22th, 2022	Filing Patent Application in India and Abroad for Biomedical Research	--	245
21.		08.07.2022 to 16.07.2022	--	Technical Skill Development	68
22.		14/02/2022 to 25/02/ 2022	Two - weeks Online Joint Faculty Development Programme on IoT & Applications		125
23.		02.10.2021 to 06.10.2021	FDP On Design Thinking	FDP On Design Thinking	78
24.		12.07.2021 to 16.07.2021	Inculcating Universal Human Values In Technical Education	Inculcating Universal Human Values in Technical Education	136
25.		20/09/2021 to 25/09/2021	New Faculty Orientation Programme		75



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Professional Development /Administrative Training Programs Organized by the Institution for Teaching and Non-Teaching Staff

Annual Report 2021-22

In the academic year **2021-22**, the Institution has organized **25** programmes for the benefit of faculty and other staff of the Institution. Various programmes like Quality Assessment & Accreditation in HEIs, Administrative Capacity Building, Winners are not those Who Never Fail but those Who Never Quit, Application of Embedded Controllers and Sensors for Smart Environment, Two Wheels One Life, Life Skill Development Program on YOGA, Art of Successful Writing, Diving Deep into Cyber security, Anti-Harassment, Fire Extinguishing and Behavior based Safety (BBS), Lab Safety Protocols, Out of the Box, Training the trainers etc. were organized to upgrade the technical and administrative skills of teaching and non-teaching staff. The objective was to create awareness on the importance of a quality education system, its sustenance, and enrichment by enhancing their administrative capacity that includes leadership, ability to handle challenges, crisis management and creating opportunities for others. Imparting transferable life skills to the staff had been the objective of the program. Topics related to road safety methods and measures were also discussed to maintain the various road safety rules and guidelines. To overcome from the stress due to pandemic frequent "Life Skill Development Program on YOGA" was organized. The Lab Safety Protocols was also organized to train the non-teaching staff and students. Parallel OUT OF THE BOX made them to follow WORK LIFE BALANCE. The various events are summarized in the following table.

List of Programs conducted during the Academic year 2021-2022

Program No.	Year	Name of the Event	No. of Participants
1.		NAAC Sponsored Two Day National Level Online Workshop on Quality Assessment & Accreditation in HEIs	450
2.		Faculty Development Program on Administrative Capacity Building	375
3.		"Winners are not those Who Never Fail but those Who Never Quit"	285
4.		Application of Embedded Controllers and Sensors for	135



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		Smart Environment	
5.	2021-2022	Webinar on Two Wheels One Life	289
6.		Life Skill Development Program on YOGA	89
7.		Art of Successful Writing	46
8.		Diving Deep into Cyber security"	112
9.		Anti-Harassment	358
10.		Fire Extinguishing and Behavior based Safety (BBS)	245
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22.		Two - weeks Online Joint Faculty Development Programme on IoT & Applications	125
23.		FDP On Design Thinking	78
24.		Inculcating Universal Human Values in Technical Education	136
25.		New Faculty Orientation Programme	75



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1. NAAC Sponsored Two Day National Level Online Workshop on Quality Assessment & Accreditation in HEIs

Dated: 27.6.2022 & 28.6.2022

The IQAC has conducted a NAAC Sponsored Two Day National Level Online Workshop on Quality Assessment & Accreditation in HEIs on 27.6.2022 & 28.6.2022.

The quality measure proposed by the NAAC involves continuous assessment process of HEIs in which all the stakeholders play a vital role. National Assessment and Accreditation Council (NAAC) conducts such assessment and accreditation of Higher Educational Institutes (HEI) to evaluate the institute's conformance to the standards of quality in terms of its performance related to the educational processes and outcomes, curriculum coverage, teaching-learning processes, faculty, research, infrastructure, learning resources, organizational governance, financial wellbeing and student support services. In order to acquaint the institutes on the significance of the quality system, importance of accreditation, and role of IQAC in sustenance and enhancement of a quality system, a two-day national level online workshop on "Quality Assessment & Accreditation in HEIs" is organized by Sathyabama Institute of Science and Technology, Tamil Nadu in association with NAAC on 27-6-22 and 28-6-2022. The topics are carefully chosen in order to create awareness on the importance of a quality education system, its sustenance, and enrichment among the participants from various institutes.



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NAAC Sponsored
Two Day National Level Online Workshop
on
Quality Assessment & Accreditation in HEIs



Free Registration
Register @
<https://bit.ly/NAACWorkshopJun22> or





Date
27 & 28 June 2022

Time
9:30 AM to 3 PM

Who can attend ?
Faculties from
Higher Education
Institutions

Convener
Dr. Anima Nanda
IQAC Coordinator

Coordinators
Dr. M.S. Godwin Premi
Dr. D. Susilra
Mrs. T. Vijayashree

PROGRAMME SCHEDULE

27.6.2022

09:30 - 09:40 Welcome Address
Dr. T. Sasipraba, Vice Chancellor, Sathyabama Institute of Science and Technology

09:40 - 10:30 Inaugural Address
Prof. K.K. Aggarwal, Chairperson, NBA, (Former VC, GGS Indraprastha University, New Delhi)

10:30 - 10:45 Special Address
Prof. Sandeep Sancheti, Vice Chancellor, Marwadi University

11:00 - 12:00 Role of NAAC in Enhancing the Quality of Higher Education
Dr. N. Pon Pandian, IQAC Director/Prof & Head Nanotechnology, Bharathiyar University, Coimbatore

12:00 - 01:00 Quality Sustenance in HEI - A Stakeholder's Perspective
Dr. Raja Prabhu R., Director (Accreditation & Ranking), & Director IQAC, GITAM

02:00 - 03:00 Curriculum Design and Development, Sustainability and Outcome Based Education
Dr. T. Thyagarajan, Dean, MIT (R&I), Chennai

28.6.2022

10:00 - 11:15 A Recipe for Effective and Efficient Teaching
Dr. Shreepad Karmalkar, Professor, Electrical Engineering Department, Head, Teaching - Learning Center, IIT Madras

11:30 - 01:00 Should IQAC be Modernized in HEIs?
Dr. Partha Sharathi Mallick, Director, IOR & Rankings, VIT

02:00 - 03:00 Internalization of Quality Culture and Institutionalization of Best Practices
Dr. Prashant R. Nair, Vice Chairman, IQAC, Amrita Vishwa Vidyapeetham

INVITED SPEAKERS


Prof. K.K. Aggarwal
Chairperson, NBA
(Former VC, GGS Indraprastha University, New Delhi)


Prof. Sandeep Sancheti
Vice Chancellor
Marwadi University


Dr. N. Pon Pandian,
IQAC Director/Prof & Head
Nanotechnology, Bharathiyar University


Dr. T. Thyagarajan
(Dean, MIT (R&I), Chennai)


Dr. Raja Prabhu R.
Director (Accreditation & Ranking)
& Director IQAC, GITAM


Dr. Shreepad Karmalkar
Professor, Electrical Engineering Dept.,
Head, Teaching - Learning Center,
IIT Madras


Dr. Partha Sharathi Mallick
Director, IOR & Rankings
VIT


Dr. Prashant R. Nair
Vice Chairman IQAC,
Amrita Vishwa Vidyapeetham

2. Faculty Development Program on Administrative Capacity Building

Dated: 25th October to 31st October 2021

One week National level Faculty Development Program on Administrative Capacity Building conducted by IQAC and School of electronics from 25th October to 31st October 2021 was successful in empowering the faculty by enhancing their administrative capacity that includes leadership, ability to



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handle challenges, crisis management and creating opportunities for others. Eminent personalities from different walks of life acted as Resource person and 146 participants across the nation participated in the event and are benefitted.



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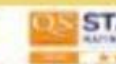
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

One Week National Level FDP

On
Administrative Capacity Building, 25th - 31st October 2021

Time: 2.00 pm to 3.00 pm, Zoom Meeting Id: 824 8977 6496, Passcode: 808486

RESOURCE PERSONS



Mr. B. Sankarabharathi, IAS,
Additional Commissioner,
Chennai Air Cargo Customs,
Meharbhikhan



Dr. M. Sankaranarayanan, M.E., Ph.D.,
Pro Vice - Chancellor (Academics)
Bharath Institute of Higher
Education and Research



Shri. S. Subashidhar
APSC Board Member,
Youngest Public Service
Commission member in India



Mr. Vaidin Daniel, B.E., M.S.
Trustee, LIED
Founder and Director of
Sourabh Learning Center



Mr. P. Ashok Shankar, B.E.,
Correspondent
Sri Sathya Vidyalayam
Senior Secondary School,



Mr. Gerald Anwar Roy, B.E., M.S.
Director
IT Business Strategy
Milestone



Mr. Subash Chandra, B.E., M.A.,
Senior Manager Marketing,
Global Internal Communications
Alkermid

TOPICS TO BE COVERED

- Change Management - Attitudinal Changes In Human Resources And Organization
- Leadership in Difficult Situations
- Divestiture- A Corporate Transaction
- Out Of The Box Solutions To Tackle Challenges At Workplace

CHIEF PATRONS

Dr. Mariamman Johnson
Chancellor
Dr. Maria Johnson
President
Mr. J. Arul Selvan
Vice president
Ms. Maria Bernadette Tamilarani
Vice president
Dr. T. Sasiprasad
Vice Chancellor

PATRONS

Dr. E. Logakumaran,
Pro Vice Chancellor
Dr. G. Sundarai,
Director- Administration

ORGANIZERS

Dr. N. M. Nandhiya, Prof. & Dean / SoEE
Dr. S. Emelda Rathi, Prof. / ECE
Dr. Rakha Chakravarthy, Asst. Prof. / ECE
Mr. M. A. Muthiah, Asst. Prof. / ECE

CONVENORS

Dr. N. M. Nandhiya, Prof. & Dean / SoEE
Dr. T. Kavi, Head/ ECE

Zoom Link: <https://sathyabama-zo-in.zoom.us/j/82489776496?pwd=FVhkdUk5YkZlUmtSGlpOak1ZjVhUT09>

Registration Link:
<https://forms.gle/AEPfLUeGTdyFpq49>



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3. "Winners are not those Who Never Fail but those Who Never Quit"

Dated: 27.11.2021

IQAC along with Department of ECE organized a program to motivate the staff as **"Winners are not those Who Never Fail but those Who Never Quit"** by Ms. Priya Venugopal, Technology



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Integrator/Wellbeing Coordinator, Advisor, American International School, Chennai on **27.11.2021**. The speaker interacted with staff and students about mentality of a person which is very important to achieve anything with a strong desire and real purpose that positivity helps you to face upcoming challenges. Only the key point for success is determination, focus and never stops trying. It doesn't matter how long you've been doing good, just continue and never quit, even though you may not be appreciated sometimes.



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SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ORGANIZES LIVE LEAD TALK ON "INTERNATIONAL STUDENTS' DAY"

"Winners are not those Who Never Fail but those Who Never Quit"

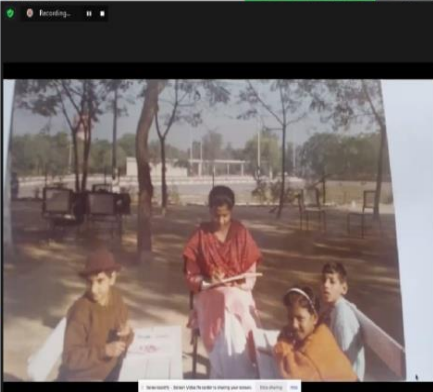
27.11.2021  **10:00AM - 11:00AM**

Ms Priya Venugopal
Technology Integrator/Wellbeing Coordinator, Advisor,
American International School, Chennai

Chief Patrons: Dr. Mariazeena Johnson Chancellor Dr. Marie Johnson President Mr. J. Arul Selvan Vice President Ms. Maria Bernadette Tamarasi Vice President Dr. T. Sasipraba Vice Chancellor	Convener Dr. N. M. Nanditha Dean, School of EE Dr. Y. Swarnalatha Dean, Higher Studies Dr. T. Ravi HOD, ECE Organisers Dr. T. Ravi, HOD/ECE Mr. Mathan N., Asst. Prof. ECE	VENUE @ ZOOM ID: 6427082763 PASSCODE: 1ECE2021 Patrons Dr. E. Logashanmugam Pro Vice Chancellor Dr. G. Sundari Director Administration
--	--	---

e-Certificate will be issued for all Participants









4. Application of Embedded Controllers and Sensors for Smart Environment

Dated: 23rd October, 2021

"Application of Embedded Controllers and Sensors for Smart Environment" was organized by the "The Institution of Engineers (India)", Kanchepuram local centre under the aegis of Electronics & Telecommunication Engineering Division on 23rd October, 2021 in association with the Department of



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Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai. Dr. S. Karthikeyan, FIE, Head IE(I) Coordinator, Dr. R. M. Joany, Dr. E. Anna Devi, Associate Professor, Ms. S. Yogalakshmi, Assistant Professor handled the sessions. The session was very informative and it was an eye opener for the participants. The session gave a new perspective about various techniques approaches, importance of sensors, Communication Protocols and IoT in real time applications.

The poster is for a seminar organized by The Institution of Engineers (India) Kanchepuram Local Centre in association with Sathyabama Institute of Science and Technology. The seminar is titled 'Application of Embedded Controllers and Sensors for Smart Environment' and is scheduled for 23rd October 2021 at 9.30 AM IST. The poster lists the resource persons, conveners, patrons, coordinators, organizers, and chief patrons.

The Institution of Engineers (India)
KANCHEPURAM LOCAL CENTRE
Under the Aegis of Electronics and Telecommunication Engineering Division
In Association with
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CORDIALLY INVITES FOR THE ONE DAY SEMINAR ON

APPLICATION OF EMBEDDED CONTROLLERS AND SENSORS FOR SMART ENVIRONMENT

23RD OCTOBER 2021 AT 9.30 AM IST

Resource Persons
Dr. R. M. Joany, MIE
Dr. E. Anna Devi, MIE
ASSOCIATE PROFESSOR, DEPARTMENT OF ECE,
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The Institution of Engineers (India)
KANCHI PURAM LOCAL CENTRE
Under the Aegis of Electronics and Telecommunication Engineering Division
In Association with
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CORDIALLY INVITES FOR THE
ONE DAY SEMINAR
ON
**APPLICATION OF EMBEDDED CONTROLLERS AND
SENSORS FOR SMART ENVIRONMENT**
23RD OCTOBER 2021 AT 9.30 AM IST

Resource Persons
Dr. R. M. Joany, MIE
Dr. E. Anna Devi, MIE
ASSOCIATE PROFESSOR, DEPARTMENT OF ECE,
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI.

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MS. YESHA BEHRADETTI TAMILASAI
VICE PRESIDENT
DR. T. SASIPRABA
VICE CHANCELLOR



5. Webinar on Two Wheels One Life

Dated: 27th January 2022

School of Electrical and Electronics in association with United Way-Mumbai and IQAC has organized a webinar on **"Two Wheels One Life"** on 27th January 2022. MR. S. R. Rajkumar, Sr. Manager-Road Safety for Green Earth Translogistics Private Limited, Mumbai and Mr. M. H. Anand, Lead Trainer, Community Impact-United Way, Mumbai had been the resource persons. Imparting transferable life skills to the student fraternity had been the objective of the program. Topics related to road safety methods and measures that used to prevent road users from being killed or seriously injured had been discussed. Various road safety rules and guidelines in the form of protocols and standards had also been demonstrated. Participants from the ECE department participated in the webinar and benefited from the enlightened session.



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School of Electrical and Electronics
Department of Electronics and Communication Engineering
in Association with
United Way-Mumbai
organizes a webinar on **"Two Wheels one Life"** on 27th Jan 2022.

SAFETY FIRST

Resource Person

S.R.RAJKUMAR Sr-Manager - Road Safety for Green Earth Translogistics Private Limited-Mumbai

M.H.Anand Lead Trainer (Community Impact-United Way Mumbai)

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Associate professor/ECE
Mr.L.Jegan Antony Marcilin
Assistant Professor/ECE
Dr.R.M.Joany
Associate Professor/ECE
Ms.L.Magthelin Threase
Assistant Professor/ECE

Venue-ZOOM
Time: 1.45pm-3.45pm



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School of Electrical and Electronics
Department of Electronics and Communication Engineering
in Association with
United Way-Mumbai
organizes a webinar on **"Two Wheels one Life"** on 27th Jan 2022.

SAFETY FIRST

Resource Person

S.R.RAJKUMAR Sr-Manager - Road Safety for Green Earth Translogistics Private Limited-Mumbai

M.H.Anand Lead Trainer (Community Impact-United Way Mumbai)

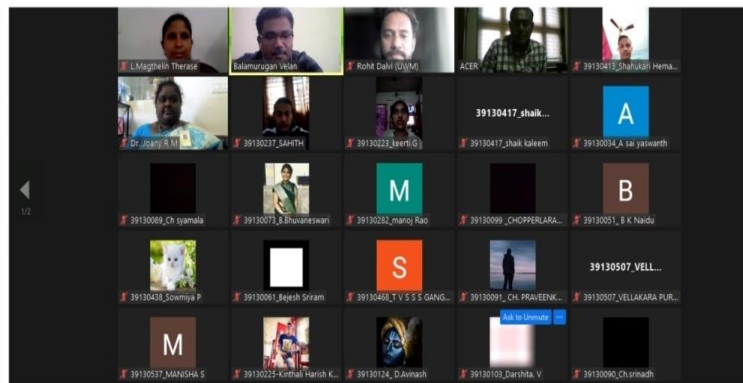
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Assistant Professor/ECE
Dr.R.M.Joany
Associate Professor/ECE
Ms.L.Magthelin Threase
Assistant Professor/ECE

Venue-ZOOM
Time: 1.45pm-3.45pm

United Way Mumbai

United Way Mumbai is a part of the 117 year old United Way movement spanning 67 countries across the world.

Our mission is to improve lives by mobilizing the caring power of communities to achieve the common good.

Network of 400+ NGOs

Partnerships with 200+ companies

100,000+ individual donors

10 years

INR 200 crore invested in community development projects

Our Areas of Focus

- Education
- Health
- Environment
- Disaster Relief
- Women's Empowerment
- Child Protection
- Senior Citizen Care
- Animal Welfare
- Art & Culture
- Sports
- Disability Inclusion
- Human Rights
- Peace Building
- Gender Equality
- Climate Change
- Renewable Energy
- Space
- Artificial Intelligence
- Blockchain
- Quantum Computing
- Virtual Reality
- Augmented Reality
- Internet of Things
- Big Data
- Cloud Computing
- Cybersecurity
- Digital Marketing
- E-commerce
- Fintech
- Gaming
- Healthcare
- Insurance
- Investment
- Logistics
- Manufacturing
- Media
- Non-Profit
- Real Estate
- Retail
- Services
- Software
- Telecommunications
- Transportation
- Utilities
- Waste Management
- Water Supply
- Food Security
- Agriculture
- Forestry
- Fishing
- Handicrafts
- Textiles
- Metals
- Chemicals
- Pharmaceuticals
- Biotechnology
- Space
- Artificial Intelligence
- Blockchain
- Quantum Computing
- Virtual Reality
- Augmented Reality
- Internet of Things
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- Investment
- Logistics
- Manufacturing
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- Non-Profit
- Real Estate
- Retail
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- Water Supply
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- Textiles
- Metals
- Chemicals
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- Biotechnology

TWO WHEELS ONE LIFE

SAFETY FOR TWO WHEELER RIDER





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6. Life Skill Development Program on YOGA

Dated: 11th March 2022

“Life Skill Development Program on YOGA” was organized by the Sathyabama IE (I) Student Branch and the Department of Electronics and Communication Engineering in association with The Institution of Engineers (India) on 11th March 2022. **Ms. A. Nandhini, M.Tech, VLSI Design., Master Diploma in Yoga., Yaazh Yoga Centre, Chennai** has graced the session as the Chief Guest and Resource Person. She has given excellent coverage on the topics such as postures, breathing techniques, mudras and Meditation related to Yoga. She has also clearly demonstrated the different types of Yoga Asanas and their benefits. She instigated that regular yoga practice creates mental clarity and calmness, increases body awareness, relieves chronic stress patterns, relaxes the mind, centers attention and sharpens concentration which are the most essential needs of the younger generation of the participants who are in the new normal era during the post Covid pandemic situation. Other participants were benefited by the methods of meditation and breathing that can help improve a person's mental well-being.

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In Association with
The Institution of Engineers (India)
KANCHEPURAM LOCAL CENTRE
&
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ORGANIZER
LIFE SKILL DEVELOPMENT PROGRAM ON
YOGA
11TH MARCH 2022 AT 10 AM IST
Ms. A. Nandhini M. Tech.,
M.D.T.N MASTER DIPLOMA IN YOGA AND NATUROPATHY
CHENNAI
Registration Link: <https://tinyurl.com/LifeSkill-YOGA>

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4. Pranayama-
practice of focusing on breath
and breath regulation

YOGA PRANAYAMA

2022-03-11 10:32:50



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ORGANIZES
LIFE SKILL DEVELOPMENT PROGRAM ON
YOGA
11TH MARCH 2022 AT 10 AM IST

Ms. A. Nandhini, M.Tech.,
M.D.Y.N (MASTER DIPLOMA IN YOGA AND NATUROPATHY)
CHENNAI

Registration Link: <https://tinyurl.com/Life-Skill-YOGA>

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ASSISTANT PROF. / ECE

zoom

7. Art of Successful Writing

Dated: 4th September 2021

The School of Bio and Chemical Engineering and IQAC organized a training program on “**Art of Successful Writing**” on **4th September 2021** to develop the writing skill. Without a question, the quality of your CV will determine whether you get the job. An attention-grabbing CV that showcases your career milestones, skills, and accomplishments will quickly catch the recruiter's eye. The art of writing



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is to communicate our opinions, ideas, and thoughts. Even though it may appear simple when you think about it, writing frequently leads to disorganised, haphazard pieces of information on paper. This frequently communicates the wrong message or causes confusion. Writing effectively can be difficult since it requires far more than just proper language. The program emphasized to know more about sentence construction, expand your vocabulary and hone your other fundamental writing abilities.

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DEPARTMENT OF BIOTECHNOLOGY
JOURNAL CLUB PRESENTS
A
NATIONAL WORKSHOP
ON
**ART OF SUCCESSFUL
SCIENTIFIC
WRITING**

6TH SEPTEMBER 2021: 5-6 P.M.
7TH-13TH SEPTEMBER 2021: 10-11 A.M.

JOURNAL CLUB
Biotechnology IV year
Ramesh kumar V
38230701 Elanthenral Gopalsami
Vishal B

8. "Diving Deep into Cyber security"

Dated: 8th July, 2022

Department of CSE organized a One-day event on **"Diving Deep into Cyber security"** on **July 8th, 2022** for the CSE faculty and students. The resource person was Mr. Sriram Kesavan, Founder and CEO of TG Cyber labs and Mr. Thaya Goviz, Chapter Head, OWASP Thoothukudi. A total of 120 participants participated in the event. The speaker gave a speech on Tampering, changing prices on Travel booking sites, and some detailed OSINT. He also showed some live demonstrations of hacking Instagram.



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SCAN FOR
REGISTRATION



SCHOOL OF COMPUTING
DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING
ORGANIZES

DIVING DEEP INTO CYBER SECURITY

08 JULY 2022

In Association with



OWASP

Sathyabama - Student Chapter

TG
Cyberlabs.

FOR MORE INFO



/OWASP-SIST



/OWASP Sathyabama University



/owasp.sist

Our Speakers



MR. SRIRAM KESAVAN
FOUNDER & CEO,
TG CYBERLABS

MR. THAYA GOVZIG

CHAPTER HEAD,
OWASP THOOTHUKUDI



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Mr. HASAN FIRNAS
Mr. DHANUSH
Mr. JONES MARTIN



MEGA
CLASSROOM



9 AM
TO
3 PM

9. Anti-Harassment

Dated: 2nd August to 6th August 2021

The IQAC has organised a training program on "Anti-Harassment" dated: 2nd August to 6th August 2021.



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The speakers were describing through various incidents and videos for better understanding. The culture of an institution is significantly impacted by instances of harassment, bullying, and retribution. Additionally, these incidents expose workplaces to harmful repercussions, including significant personal costs for those involved. The training was designed to teach the staff how to recognise, stop, and deal with the different types of harassment.

The poster features the Sathyabama Institute of Science and Technology logo at the top. Below it, the text reads: **SATHYABAMA** INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE A UNIVERSITY). Accredited with 'A' grade by NAAC. www.sathyabama.ac.in. The main title is **Workshop on ANTI-HARASSMENT**, organized by the INTERNAL QUALITY ASSURANCE CELL (IQAC). The central graphic shows a hand holding a pen, with a word cloud of terms related to harassment: bullying, workplace harassment, relationship, job, office, worker, manager, behavior, aggressive, subordinate, abuse, mobbing, colleague, boss, sexual, stress, employee, discrimination, gesture, romance, partner, threatening, team, flirting, career, inappropriate, coworker, work, professional, violence, seduction, assistant, and secretary. The bottom section contains the date (8/2/2021 - 8/6/2021), time (9:30 AM), and venue (CENTRAL LIBRARY). Below this, the patrons are listed: Dr. Mariazeena Johnson (Chancellor), Dr. Maria Johnson (President), and Dr. T. Sasipraba (Vice Chancellor).

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**Workshop on
ANTI-HARASSMENT**
Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

relationship
bullying
workplace
harassment
job
office
worker
manager
behavior
aggressive
subordinate
abuse
mobbing
colleague
boss
sexual
stress
employee
discrimination
gesture
romance
partner
threatening
team
flirting
career
inappropriate
coworker
work
professional
violence
seduction
assistant
secretary

DATE: 8/2/2021 - 8/6/2021 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

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Dr. T. Sasipraba
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10. Fire Extinguishing and Behaviour based Safety (BBS)

Dated: 15th to 17th March, 2022

From March 15 to March 17, 2022, the IQAC cell along with Department of Chemical Engineering, Sathyabama Institute of Science and Technology hosted a three-day workshop on "Fire Extinguishing and Behaviour-Based Safety (BBS)" in collaboration with the National Safety Council of India. This workshop's goal is to raise awareness among the technical teachers and participants. A process called Behaviour-Based Safety shows management how safe a workplace is overall. BBS, which was developed to improve control and manageability in workplace environments, aims to draw workers' attention to their own and their co-workers' regular safety behaviours. To maintain facilities safe, BBS requires that management and staff continually pay attention and take action on their own everyday behaviour. This course produced a workforce that is well knowledgeable about safety procedures.

The poster is for a workshop titled "Workshop on FIRE EXTINGUISHING AND BEHAVIOR BASES SAFETY". It is organized by the INTERNAL QUALITY ASSURANCE CELL (IQAC) and held from 15.3.2022 to 17.3.2022 at 9:30 AM in the CENTRAL LIBRARY. The poster features the Sathyabama Institute of Science and Technology logo at the top left and a fire extinguisher illustration on the right. The list of patrons includes Dr. Mariazeena Johnson (Chancellor), Dr. Maria Johnson (President), and Dr. T. Sasipraba (Vice Chancellor).

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**Workshop on
FIRE EXTINGUISHING
AND
BEHAVIOR BASES SAFETY**

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

DATE:
15.3.2022 TO 17.3.2022

TIME
9:30 AM

VENUE
CENTRAL LIBRARY

PATRONS

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Dr. Maria Johnson
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11. An Approach to Holistic Wit by Dint of Yoga

Dated: 21st June 2022

“Life Skill Development Program in Commemoration of International Yoga Day, "AN APPROACH TO HOLISTIC WIT BY DINT OF YOGA"” was organized by the Department of Electronics and Communication Engineering in association with The Institution of Engineers (India) on 21st June 2022. Ms. A. Nandhini, M. Tech, VLSI Design., Master Diploma in Yoga., Yaazh Yoga Centre, Chennai has graced the session as the Chief Guest and Resource Person.



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KANCHEPURAM LOCAL CENTRE

&
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ORGANIZES
Life Skill Development Program in Commemoration of
International Yoga Day

AN APPROACH TO HOLISTIC WIT BY DINT OF YOGA
21ST JUNE 2022 AT 10 AM IST



Ms. A. Nandhini, M.Tech.,
M.D.Y.N (MASTER DIPLOMA IN YOGA AND NATUROPATHY)
CHENNAI.



Venue:
Dr. Remibai Jeppiaar Auditorium,
Sathyabama Institute of Science and Technology, Chennai.

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Lat 12.873352°
Long 80.219409°
21/06/22 11:14 AM

GPS Map Camera

12. Lab Safety Protocols

Dated: 6/12/2021 to 8/12/2021

A three-day workshop on Lab Safety Protocols was organized by the Department of Chemical Engineering of Sathyabama Institute of Science and Technology from 6.12.21 to 8.12.21. The workshop provided an overview of universal safety procedures for working with laboratory reagents that may be encountered in the lab. Participants were taught safe and proper practices for the procedures and materials used and any lab-specific safety measures they may require to take to protect themselves from exposure to hazardous materials, including the location and use of emergency equipment. A demonstration on flammable, corrosive materials was made to make participants understand the importance of such training workshops.



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Sathyabama Institute of Science and Technology (A Christian Minority Institution) was established in 1987 by Col. Dr. Jeppiaar. The institution's progress and contribution to the field of technical education for over three decades resulted in granting Deemed University status on 10th July, 2001. The Institute has been awarded as Category "A" University by MHRD, Government of India and accredited by NAAC with Grade "A" in the year 2017. Our motto is "TOGETHER FOR BETTER TOMORROW" and our mantra of Success is "LEARN TODAY and LEAD TOMORROW".

ABOUT DEPARTMENT

The department of chemical engineering was established in the year 1995. The department has undertaken various sponsored and collaborative research development projects funded by IGCAR, ISRO & MNRE. Synergise the efforts of the students and the faculty to evolve innovation engineering practices and teaching methodologies and generate an environment of continuous learning and research.

Vision

We empower the student community to maximize their potential for the development and transfer of technical competence in the field of Chemical Engineering through academic and research excellence extending service to the mankind.

Mission

- M1: To produce socially responsible chemical engineers of high academic pursuit who will contribute to challenges and improvement of process industries worldwide.
- M2: To excel in research with an in-depth knowledge of core principles for providing solutions in process industries.
- M3: To enhance the experienced learning in collaboration with esteemed National and International Institutes/ Universities/ Industries.
- M4: To develop sustainable solutions for the societal needs.

ABOUT WORKSHOP

The main goal of the workshop to prevent injury and illness by educating safety to all lab technical.

OBJECTIVE

Safe Disposal and Recycling of Laboratory Chemical Wastes. Also, this workshop will review chemical hazards, chemical hygiene, personal protective equipment and ventilation in the lab.

CHIEF PATRONS

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CHANCELLOR

Dr. MARIE JOHNSON,
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REGISTRAR

CONVENOR

Dr.S.SATHISH, M.E., Ph.D
HOD, CHEMICAL

ORGANISING SECRETARIES

Dr.D.VENKATESAN, M.TECH., Ph.D.
Associate Professor

WORKSHOP

On
"Lab Safety Protocols"

In Association with



6th - 8th Dec 2021

Organized
By

DEPARTMENT OF CHEMICAL
ENGINEERING

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13. FDP on Out of the Box

Dated: 9th to 11th February 2022

The Department of Prosthodontics of Sathyabama Dental College conducted a Faculty Development Programme (FDP) entitled as OUT OF THE BOX from 9th to 11th February 2022 emphasizing on WORK LIFE BALANCE. A collage of topics with 3 different speakers on 3 different days were highlighted how to balance the professional and personal life in a holistic way of approach. The topics spoken by the speakers were the need of the hour and also had implication in day-to-day life. The programme was conducted via Zoom and an average of 80 participants was present per day. The programme was inaugurated by Dr. B. Thayumanavan, Dean, Sathyabama Dental College and was chaired by Dr. Haribabu, Head, Department of Prosthodontics. The common dental problems associated with sleep apnoea, its diagnosis and the treatment plan were elaborated by Dr. Arun Krishnan, MBBS, MD. The WORK LIFE BALANCE was described by Mr. Sudar Kumar.



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SATHYABAMA DENTAL COLLEGE AND HOSPITAL
FACULTY DEVELOPMENT PROGRAM
"OUT OF THE BOX"
 Organised By
DEPARTMENT OF PROSTHODONTICS & IMPLANTOLOGY

Registration
Free
Register Now

9th to 11th February 2022
 11:30 am - 01:00 pm
[CLICK HERE](#)

LIVE
WEBINAR
ZOOM

Speakers, Topics & Schedule:

Day 1: 09 th February 2022 Time: 11:30 am - 01:00 pm Topic: ROBOTICS IN DENTISTRY	Day 2: 10 th February 2022 Time: 11:30 am - 01:00 pm Topic: SLEEP APNOEA	Day 3: 11 th February 2022 Time: 11:30 am - 01:00 pm Topic: WORK - LIFE BALANCE
 Mr. Harish Chandraprakasam Chairman Malles Automation	 Dr. Arun Krishnan, MD Associate Professor SRM Medical College, Kattankulathur	 Mr. Sudar Kumar Managing Director DIAHON Asia-Pacific

PATRONS
Dr. Mariazeena Johnson
Chancellor
Dr. Marie Johnson
President

ADVISORS
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Vice-Chancellor
Dr. S. S. Rau
Registrar

CONVENER
Dr. E. Logashanmugam
Pro-Vice Chancellor

ORGANIZING CHAIRMAN
Dr. B. Thayumanavan
Dean
Sathyabama Dental College & Hospital
Chennai
ORGANIZING SECRETARY
Dr. R. Haribabu
Professor & Head
Department of Prosthodontics & Implantology
Sathyabama Dental College & Hospital
Chennai

ORGANIZING COMMITTEE
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Dr. V. Balakumar
Dr. S. Sankara Krishnan
Dr. M.V. Srikanth
Dr. Jenefer Shekina
Dr. Aishwarya Arunkumar
Dr. Vidya Kaliyan

eCertificate will be Provided

14. FDP on Training the trainers

Dated: 31st Jan 2022 - 4th Feb 2022

In collaboration with Indira Gandhi Institute of Dental Sciences (IGDIS), a five-day FACULTY DEVELOPMENT PROGRAM on "Training the trainers – the 4D perspective" was conducted between



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31st Jan 2022 - 4th Feb 2022, organized by Department Of Conservative Dentistry And Endodontics, Sathyabama Dental College And Hospital and IQAC. The program focused on student centered teaching methods, curriculum designing, lesson planning, and evaluation methods. The various teaching learning methods were advocated in routine classes in order to improve the understanding of the subject in a better way. The innovative teaching methods were included in regular teaching schedule viz. Quiz, flipped class, OSPE and OSCE etc. The innovative teaching methods outcome was assessed through online feedback forms from the participants to formulating future syllabus and curriculum.




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In collaboration with
INDIRA GANDHI INSTITUTE OF DENTAL SCIENCES
SREE BALAJI VIDHYAPEETH
(DEEMED TO BE UNIVERSITY)

presents
FACULTY DEVELOPMENT PROGRAM
on
TRAINING THE TRAINERS - THE 4D PERSPECTIVE
Educator - Evaluator - Curriculum planner - Administrator

organized by
DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS
SATHYABAMA DENTAL COLLEGE & HOSPITAL

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Dr. E. LOGASHANMUGAM
Deputy Vice-Chancellor
Dr. S.S. RADHAKRISHNAN
Registrar
Dr. C. SUNDARI
Director Administration

CONVENER
Dr. B. THAYUMANAVAN
Dean - Dental College & Hospital

CO-CONVENER
Dr. R. KURINJI ANILAVATHY
Head of the Department
Dept. of Conservative Dentistry & Endodontics

CO-ORDINATORS
Dr. SUSHMITA SHEWANNA
Dr. MRINALINI
Dr. KRITHIKA

REGISTRATION DETAILS
Registration Fee: 1000 INR
Dental Educational Unit
A/C No. 6219330320
IPSC: ID800040867
Last date to Register: JAN 24 2022
[CLICK HERE TO REGISTER](#)

JAN 31 2022 to FEB 4 2022



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15. Title: Cloud Infrastructure and Servicers with soft skills

Date: 26-11-2021 & 27-11-2021

The Department of Electronics and Communication Engineering, SIST conducted a workshop on "Cloud infrastructure and servicers with soft skills". The course content includes cloud computing. The main objective of this program is to acquire knowledge about the cloud computing, cloud infrastructure and to learn about security and moving to the cloud.

The poster is for a workshop titled "Cloud Infrastructure & Servicers with soft skills" organized by the School of Electrical and Electronics, Department of Electronics and Communication, Sathyabama Institute of Science and Technology. The workshop is scheduled for 26.11.2021 to 27.11.2021, from 5:00PM to 6:00PM. The resource person is Dr. L. Lakshmanan, Head of the Department of Computer Science and Engineering. The poster lists several chief patrons, including Dr. Mariazeena Johnson (Chancellor), Dr. Marie Johnson (President), Mr. J. Arul Selvan (Vice President), and Ms. Maria Bernadette Tamilarasi (Vice President). It also lists patrons, a convener, and organizers. The contents of the workshop are listed at the bottom.

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SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Presents
Workshop on
Cloud Infrastructure & Servicers with soft skills
26.11.2021 TO 27.11.2021
5:00PM - 6:00PM
Resource Person
Dr.L.Lakshmanan
Head, Department Of Computer Science And Engineering

Chief Patrons:
Dr Mariazeena Johnson
Chancellor
Dr Marie Johnson
President
Mr.J.Arul Selvan
Vice President
Ms Maria Bernadette Tamilarasi
Vice President
Dr T Sasipraba
Vice Chancellor

Patrons:
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Pro Vice Chancellor
Dr G Sundari
Director Administration

Convener
Dr N M Nandhitha
Dean, School of EE
Dr T Ravi
Head, Dept. of ECE

Organisers
Mr Mathan N, Asst. Prof.
Dr V Vijayakumar, Asst. Prof.
Mr Ilayarajaa K T, Asst. Prof.

CONTENTS
"Cloud computing is not virtualization"
"Cloud computing requires APIS"
"No solutions for "instant cloud" "



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16. Title: BASICS OF COMPUTER HARDWARE AND NETWORKING

Date: 08-06-2021 to 09-06-2021

The Department of ECE conducted a workshop on "Basics of Computer Hardware and Networking". The course content Computer Hardware, Hardware components of computer networks, Types of computer networks, Different layers of network. To develop implement and manage computer networking systems within an organization. Ability to implement best practices solutions for network implementation and to impart the skills needed to assemble a PC, PC troubleshooting, installation of system/application software. This course will provide the brief knowledge of Computer hardware networking and trouble shooting.



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SCHOOL OF ELECTRICAL AND ELECTRONICS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ORGANIZES WORKSHOP ON

BASICS OF COMPUTER HARDWARE AND NETWORKING

Date: 8.06.2021 to 9.06.2021 Time : 4.00pm to 6.00pm

Resource Person

Mr.S.J.Earnest Paul
Siqsess Technologies

Chief Patrons:

Dr Mariazeena Johnson
Chancellor

Dr Marie Johnson
President

Course Content

Computer hardware

Hardware components of computer networks

Types of computer networks

Different layers of network.

Convener	
Ms Maria Bernadette Tamilarasi Vice President Dr T Sasipraba Vice Chancellor	Dr N M Nandhitha Dean, School of EE Dr T Ravi Head, Dept. of ECE
Patrons:	
Dr E Logashanmugam Pro Vice Chancellor Dr G Sundari Director Administration	Organisers Dr. R. M. Joany, Asso. Prof./ECE



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17. Faculty Development Program on Smart Grid and Sustainable Energy Management in Virtual Power Plants

Dated: 26th July 2021 to 31st July 2021

Department of Electrical and Electronics Engineering conducted a 6 Days national level FDP on "Smart Grid and Sustainable Energy Management in Virtual Power Plants" from 26th July 2021 to 31st July 2021. This FDP briefly defined the needs of virtual power plant to handle distributed generation system.



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NIIT, NPT, STAR, AICTE

No Registration Fee!

Certificates will be issued
for all the participants!

SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organizes

BYJU's sponsored National Level Online FDP on
Smart Grid and Sustainable Energy Management in
Virtual Power Plants



Dr. P. Raja,
Associate Professor/EEE,
NIT, Trichy



Dr. V. Rajini,
Professor/EEE,
SSN College of Engineering,
Chennai.



Dr. V. Gomathi,
Associate Professor/EEE,
Anna University,
Chennai



Dr. T. Aruldoss Albert Victoire,
Associate Professor/EEE,
Anna University,
Coimbatore.



Dr. Savitha Ramasamy,
Institute for Infocomm Research,
Singapore.



Mrs. Bhanumathy Gunasekharan,
Academic Advisor,
Adharsh HSC School,
Chennai

Date: 26.07.2021 to 31.07.2021

Time: 10.00 am to 11.30 am

Registration Link: <https://forms.gle/ZxzwxcGnbRZ48doNA>

Conveners:

Dr. Y. Swarnalatha,
Dean Higher studies

Dr. N.M. Nandhitha,
Dean & Prof, School of EEE

Dr. V. Sivachidambaramathan,
HoD & Prof/EEE

Co- Conveners:

Dr. W. Abitha Memala, Associate Professor/EEE

Dr. C. Bhuvaneswari, Assistant Professor/EEE

Dr. M. Pushpavalli, Assistant Professor/EEE

Dr. M. Kavitha, Assistant Professor/EEE

Dr. P. Sivagami, Assistant Professor/EEE

Dr. S. Radhika, Associate Professor/EEE

Patrons:

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Chancellor

Dr. Marie Johnson,
President

Ms. Maria Bernadette
Tamilarasi Johnson
Vice President

Dr. T. Sasiprabha,
Vice Chancellor



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18. Design and Application of Critical Care Equipment's

Dated: 19th -24th July, 2021

The Department of Biomedical Engineering under the School of Bio and Chemical Engineering has organized Six Days Internship Training on **Design and Application of Critical Care Equipment's** in association with Bio Vision Medical Systems, Chennai during July 19-24, 2021. The focus of Internship Training provided hands on training and preliminary troubleshooting of equipment's like ventilators, diathermy, defibrillators, patient monitors, syringe pumps and infusion pumps. The in-depth knowledge of the equipment's gave the participants a fruitful learning experience.

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School of Bio and Chemical Engineering
DEPARTMENT OF BIOMEDICAL ENGINEERING
IN ASSOCIATION WITH
BIO VISION MEDICAL SYSTEMS, CHENNAI

INTERNSHIP TRAINING
ON
DESIGN & APPLICATION OF CRITICAL CARE EQUIPMENT
19th - 24th July, 2021. Between 2:00 - 4:00 PM

CHIEF PATRONS
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Dr. MARIE JOHNSON, B.E, MBA, M.Phil, Ph.D
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VICE CHANCELLOR

CONVENOR
Dr. WILSON ARUNI, Ph.D., FAMPV
PRO VICE CHANCELLOR

EVENT COORDINATORS
Dr. T. SUDHAKAR
Dr. BETHANNEY JANNEY J

ORGANISING MEMBERS
Dr. Anima Nanda
Dr. J. Premkumar
Dr. S. Krishnakumar
Ms. Sindu Divakaran



19. Hands on training on CPR,

Dated: 11th October 2021

The Department of Biomedical Engineering, School of Bio and Chemical Engineering organized **Hands on training on CPR, on 11th October 2021**. The training was initiated as awareness ahead of World Restart a Heart Day which falls on 16th October. The software based CPR training was supported by



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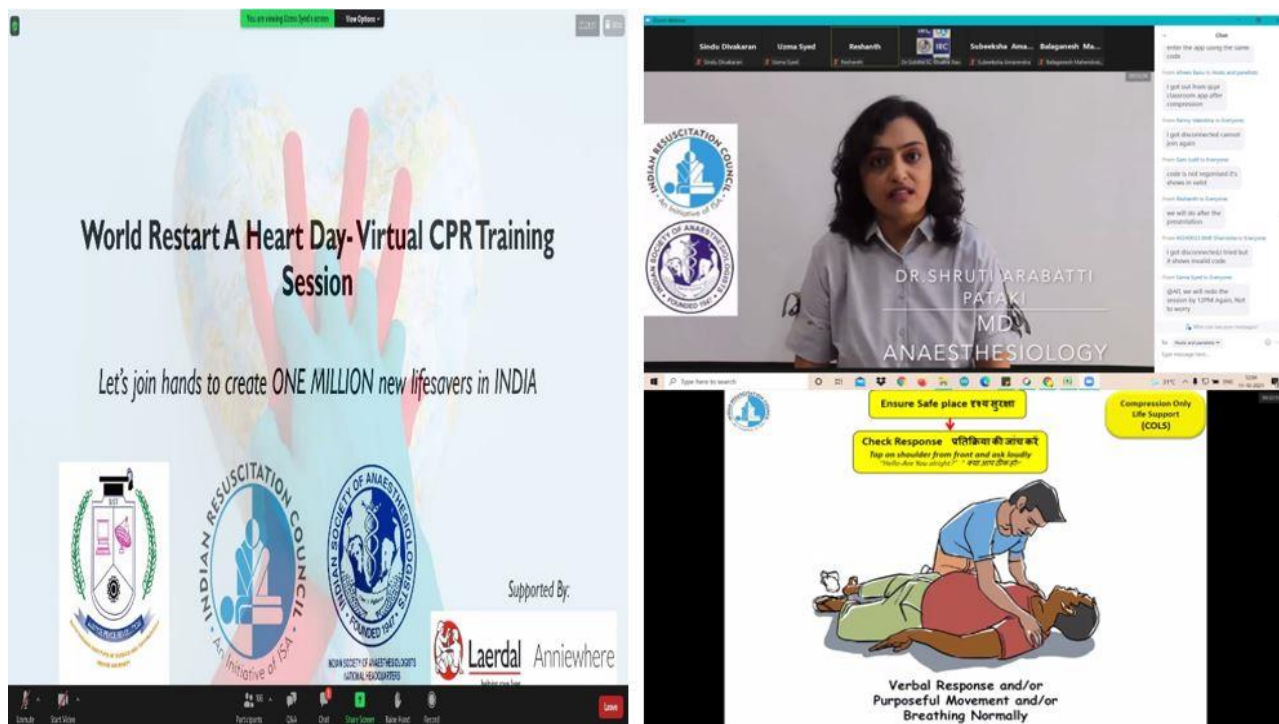
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the team from Laedral Healthcare and Annie where. Along with the training Dr. Siddha, SC Chakra Rao, Anesthesiologist and Member, Indian Resuscitation Council (IRC) delivered a session on the importance of CPR and how every individual can help to save lives during an emergency.



20. Filing Patent Application in India and Abroad for Biomedical Research

Dated: January 22th, 2022

The Department of Biomedical Engineering under the School of Bio and Chemical Engineering has organized **Webinar on Filing Patent Application in India and Abroad for Biomedical Research on January 22th, 2022**. The focus of webinar provided the explanation of complete process from patent filing to patent grant, the usual timeline of a patent process, and patent filing trends in India and abroad. The students were made well aware of the career opportunities in IPR. The speaker invoked a lot of queries in the audience leading to an informative and meaningful session.



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Department of Biomedical Engineering
School of Bio and Chemical Engineering

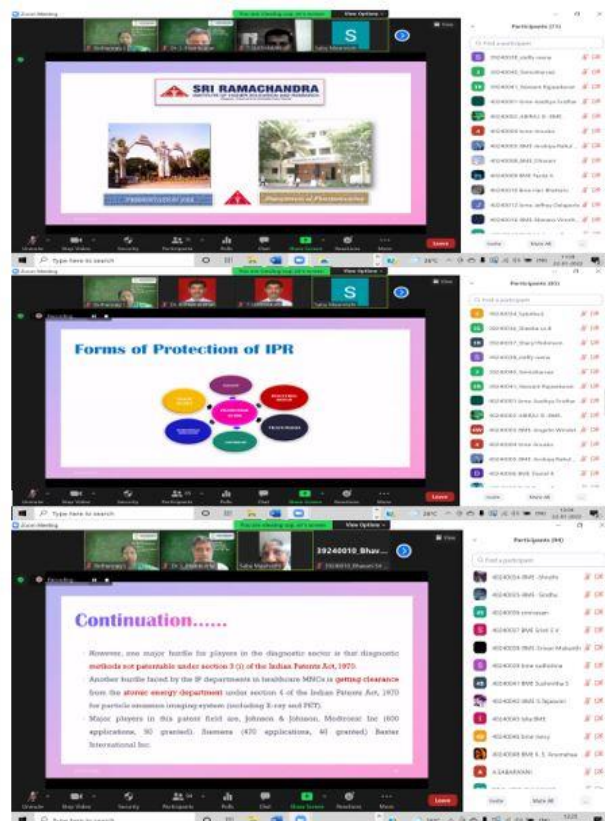
Webinar on 22th January 2022 at 12-1.00 p.m

**"Filing Patent Application in India and Abroad of
Biomedical Research"**



Speaker
Dr. SABA MAANVIZHI
Associate Professor
Sri Ramachandra Faculty of Pharmacy
SRIHER (DU), Chennai

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21. Technical Skill Development

Dated: 08.07.2022 to 16.07.2022

Department of ECE organizes **Technical Skill Development** on 08.07.2022 to 16.07.2022. The speakers interacted with the participants and discussed about Electronic Devices, Digital Logic Circuits, Analog Integrated Circuits, Digital Signal Processing, CMOS VLSI Design, Embedded Systems, Microprocessors and Microcontrollers and also RF System Design. A clear understanding of the basics and roadmap was given for the participants.



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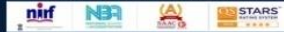
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

ORGANIZES
TECHNICAL SKILL DEVELOPMENT PROGRAM ON

Analog and Digital Electronics

08.07.2022 TO 16.07.2022

06:00PM - 07:00PM



Dr. T. Ravi
Professor/ECE



Dr. V. Vijayabaskar
Professor/ECE



Dr. P. Chitra
Asso. Professor/ECE



Dr. G. Jegan
Asso. Professor/ECE



Dr. T. Vino
Asso. Professor/ECE



Dr. M. Sugadev
Asso. Professor/ECE



Dr. E. Annadevi
Asso. Professor/ECE



Ms. R. Shakthi Prabha
Asst. Professor/ECE



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Organisers

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Asst. Professor, ECE
Mr. Muthiah M A
Asst. Professor, ECE
Ms. Shamini G I
Asst. Professor, ECE

Conveners
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Dean, School of EE
Dr. T. Ravi,
HOD, ECE

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bit.ly/ade_2022

Patron
Dr. T. Sasipraba
Vice Chancellor

e-Certificate will be issued for all Participants

Zoom Meeting

Recording

External Memory

8051

74HC573

Lower address byte writing

Stack in the 8051

SP: 0 0 0 0 0 0 0 0

Value after Reset: 07

- The register used to access the stack is called SP (stack pointer) register.
- The stack pointer in the 8051 is only 8 bits wide, which means that it can take value 00 to FFH. When 8051 powered up, the SP register contains value 07.

Scratchpad RAM

BIU Addressable RAM

Register Bank 3

Register Bank 2

(Stack) Register Bank 1

Register Bank 0

Dr. Mathan N

Dr. V. Vijayabaskar

39130270_Sai V...

39130339_MAH...

39130500_Sreed...

39130068_G.Bh...

39130270_Sai V...

39130339_MAHENDR...

39130500_Sreedevi...

39130068_G.Bhargav...

39130097- chint...

39130374_RISHA...

40130178_Prad...

39130462_venk...

40130178_Pradeep Sha...

39130462_venkatar...

Wednesday, July 13, 2022

1 hour



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22. Two - weeks Online Joint Faculty Development Programme on IoT & Applications

Dated: 14th Feb 2022 to 25 Feb 2022

Two - weeks Online Joint Faculty Development Programme on IoT& Applications (Smart Systems) - Quality Improvement Programmes from 2/14/2022 to 2/25/2022. The aim of this programme was to introduce the participants to the amazing world of IoT and its fascinating applications. IoT is the idea of making devices and objects smarter by linking them to the internet. This technology frontier (IoT) with immense engineering applications is the need for today's industry and academia. Twenty-Seven Faculties had benefited through this Online Joint Faculty Development Programme on IoT& Applications (Smart Systems) - Quality Improvement Programmes and acquired vibrant knowledge in their domain.




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School of Computing
Organizes
Department of Computer Science and Engineering
FACULTY DEVELOPMENT PROGRAM
2 Weeks Online Joint Faculty Development Programme on IOT & its Applications

SPEAKER
Dr.S.RaviKrishna,
Assistant Professor,
Department of cse,
MIT,
Chennai

Register now :-
QR CODE



14.02.22 – 25.02.22
Timing:
5.00 pm to 6.00 pm

FACULTY CO-ORDINATORS
Dr. Prince Mary, Assistant Professor
Ms.Yogitha, Assistant Professor

CHIEF PATRONS
Dr. Mariakanes Johnson, Chancellor
Dr. Marie Johnson, President
Mr. J. Anul Selvan, Vice President
Mrs. Maria Bernadette Tamilarasi, Vice President
Ms. Maria Catherine Jayapriya, Vice President

PATRON
Dr. T. Sasipraba, Vice Chancellor

CONVENORS
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Dr. L. Lakshmanan, Head of Department, CSE
Dr. S. Vigneshwari, Head of Department, CSE

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23. FDP ON DESIGN THINKING

Dated: 02.10.2021 to 06.10.2021

Department of computer science had conducted an event on the topic '5 DAYS FDP ON DESIGN THINKING' on 02.10.2021 to 06.10.2021. This FDP is an introductory course planned to understand the various segments of activities which encourages the students to think out of box and formulate design solutions to satisfy the growing demands by exploring all the phases of software development. This also discussed about the current and future trends in design activities and to maximize the impact of new design methods, prototyping and project development.

The poster is for a 5-day Faculty Development Programme (FDP) on Design Thinking, organized by the School of Computing at Sathyabama Institute of Science and Technology. It features the university's logo at the top, accreditation logos (NAAC, NIRF, AICTE, UGC), and a QR code for registration. The poster lists the resource person, chief patrons, faculty co-ordinators, and convenors.

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SCHOOL OF COMPUTING
ORGANISES
5 DAY FACULTY DEVELOPMENT PROGRAMME
ON
DESIGN THINKING

Register Here

02.10.2021 to 06.10.2021 | UGC 12B Status | AICTE Approved | Zoom Meetings

Resource Person
Dr. Pavankumar,
M.Sc., Ph.D.,
Director, Digital Innovation Pvt. Ltd.

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Dr. V. K. S. Srinivasan, Vice-Chancellor
Dr. V. K. S. Srinivasan, Vice President
Dr. V. K. S. Srinivasan, Vice President
Dr. V. K. S. Srinivasan, Vice President
Dr. V. K. S. Srinivasan, Vice President
Dr. V. K. S. Srinivasan, Vice President
Dr. V. K. S. Srinivasan, Vice President

Faculty Co-Ordinators
Dr. V. K. S. Srinivasan, Head of Department of CS
Dr. V. K. S. Srinivasan, Head of Department of CS
Dr. V. K. S. Srinivasan, Head of Department of CS

CONVENORS
Dr. V. K. S. Srinivasan, Head of Department of CS
Dr. V. K. S. Srinivasan, Head of Department of CS
Dr. V. K. S. Srinivasan, Head of Department of CS



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24. Inculcating Universal Human Values in Technical Education

Dated: 12.07.2021 to 16.07.2021

Values education therefore promotes tolerance and understanding above and beyond our political, cultural and religious differences, putting special emphasis on the defense of human rights, the protection of ethnic minorities and the most vulnerable groups, and the conservation of the environment. To promote all the above feature, department of computer science and engineering organized a 5-day professional training program for the teaching staff about the inculcating universal human values in technical education. Many of the teaching staff from department of computer science engineering had participated in this program. Its a real useful program for educating the students about the UHV in their curriculum. Many professional delivered their valuable lecture in this program. The program happened from 12.07.2021 to 16.07.2021. The feedback of this program is extremely good.



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SCHOOL OF COMPUTING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Patrons

Dr. Mariazeena Johnson, Chancellor
 Dr. Marie Johnson, President
 Ms. Marie Bernadette Tamilarasi Johnson, Vice President
 Dr. T. Sasipraba, Vice Chancellor

Coordinators

Dr. T. Sasikala, Professor and Dean
 School of Computing
 Dr. L. Lakshmanan, HOD-CSE
 Dr. S. Vigneshwari, HOD-CSE

Inculcating Universal human values (UHV) in technical education

12.07.2021 to 16.07.2021



Dr. T. Venugopal
Professor of Mathematics
COE-SCSVM
Deemed University, Kanchipuram



Dr. P. Natesan
Professor
Dept of CSE
Kongu Engg College



Dr. Amian Chakrabarti
Professor and Director
A.K. Choudhary School of IT,
University of Calcutta



Dr. Saptarsi Goswami
Assistant Professor
Dept of CSE, Bangabasi morning college,
University of Calcutta, Visiting Scientist Iwa
Prefectural University, Japan



Dr. Neha Sharma
Tata Consultancy Services

Register here
<http://forms.gle/uRx4578yriu>
E-certificate will be provided for all who attend all 3 days
Join us through Zoom Platform



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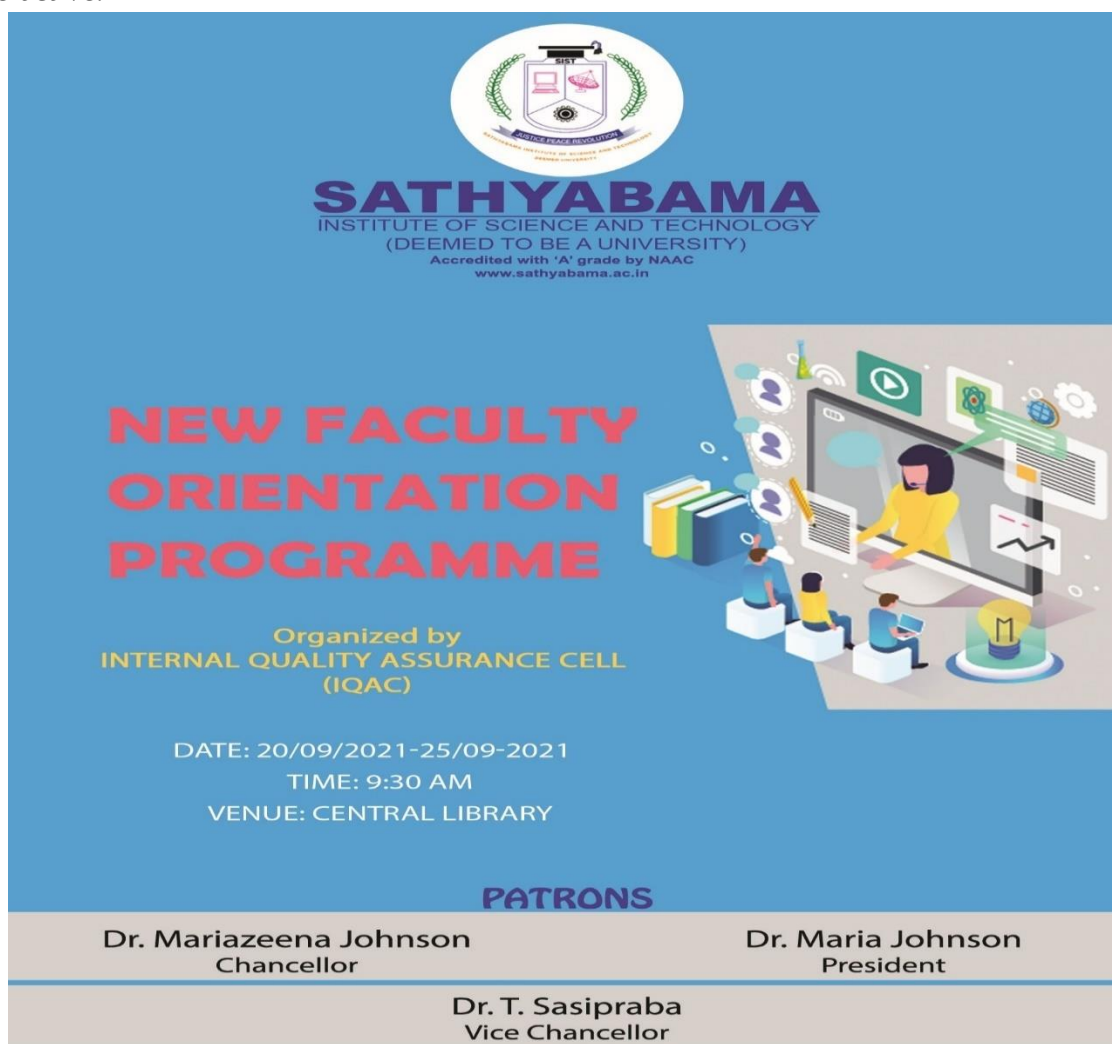
25. New Faculty Orientation Programme

Dated: 20/09/2021 to 25/09/2021

Every academic year at the beginning, IQAC provides a faculty orientation programme for newly hired faculty. The six-day orientation programme makes sure that all new faculty members are quickly and efficiently assimilated into the institution's culture and enables them to blend in with the rest of the community.

The program's modules give new faculty members an in-depth understanding of the institution's philosophy, culture, principles for classroom management, and methods for teaching and learning.

In addition to using a variety of tried-and-true teaching techniques, the most recent instructional materials, and state-of-the-art learning technologies, the Trainers presenting the modules have clearly defined roles in their respective fields of expertise. As case studies, the workshops are very fascinating and interactive.



The poster features the Sathyabama Institute of Science and Technology logo at the top center. Below it, the text 'SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE A UNIVERSITY)' is displayed, followed by 'Accredited with 'A' grade by NAAC' and the website 'www.sathyabama.ac.in'. The main title 'NEW FACULTY ORIENTATION PROGRAMME' is written in large, bold, red letters. To the right of the title is an illustration of a person at a computer with various icons floating around. Below the title, it says 'Organized by INTERNAL QUALITY ASSURANCE CELL (IQAC)'. The dates 'DATE: 20/09/2021-25/09-2021', time 'TIME: 9:30 AM', and venue 'VENUE: CENTRAL LIBRARY' are listed. At the bottom, under the heading 'PATRONS', are the names and titles of three individuals: Dr. Mariazeena Johnson (Chancellor), Dr. Maria Johnson (President), and Dr. T. Sasipraba (Vice Chancellor).

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NEW FACULTY ORIENTATION PROGRAMME

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

DATE: 20/09/2021-25/09-2021
TIME: 9:30 AM
VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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ACADEMIC YEAR 2020-2021

List of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during 2020-2021

Program No.	Year	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organized for teaching staff	Title of the administrative training program organized for non-teaching staff	No. of participants
1.	2020-2021	13/06/2020	NAAC assessment and Accreditation process for university	--	496
2.		18/02/2021	Application of ICT on English language teaching	--	125
3.		23-3-2021 to 27-3-2021	Workshop on National Educational Policy	--	254
4.		25-1-2021 to 30-1-2021	Workshop on Examination Reform Policy	--	355
5.		August 3, 2020 to August 17, 2020	Executive Development Programme on Leading Digital Transformation- Innovative Applications of Emerging Technologies	Executive Development Programme on Leading Digital Transformation- Innovative Applications of Emerging Technologies	125
6.		8/3/2021 and 10/3/2021	Network Components and Network Related Issues in the Campus	Network Components and Network Related Issues in the Campus	136
7.		8-3-2021 to 13-3-2021	Workshop on Bridging the gap between Academia and Industry	Workshop on Bridging the gap between Academia and Industry	148
8.		19/01//2021	Ethics, Values and Respect	Ethics, Values and Respect	352



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9.		15/02/2021 to 17/02/2021	Outcome Based Education in Line with NBA Process	--	
10.		16th-17th Feb-2021	Safety Measures for the new normal situation to overcome Covid 19 Fear	Safety Measures for the new normal situation to overcome Covid 19 Fear	452
11.		26/10/2020 & 27/06/2020	--	Safety and Quality Maintenance in Laboratory	85
12.		07-01-2020 to 08-11-2020	National Communication Skill Challenge	National Communication Skill Challenge	87
13.		October 5th-10th, 2020 (Phase I)	Digital Twin Technology for Industrial Automation (Phase I)	Digital Twin Technology for Industrial Automation (Phase I)	85
14.		November 2th-7th, 2020 (Phase II)	Digital Twin Technology for Industrial Automation (Phase II)	Digital Twin Technology for Industrial Automation (Phase II)	72
15.		December 7th-12th, 2020 (Phase III)	Digital Twin Technology for Industrial Automation (Phase III)	Digital Twin Technology for Industrial Automation (Phase III)	68
16.		24/08/2020 to 28/08/2020	3D Printing and Additive Manufacturing for Industrial and Biomedical Application	--	45
17.		4/01/2021 to 9/01/2021	Administrative Capacitive Building	--	158
18.		22/06/2020 to 27/06/2020	Faculty Development Programm For Advanced Machining Techniques	--	65
19.		06/10/2020 to 12/10/2020	Progress from Project to Patent FDP	--	252
20.		6/08/2020 to 12/08/2020	Recent advancements in chemical environmental engineering	Recent advancements in chemical environmental engineering	56
21.		15th March 2021 to 19th	Historical perspectives and recent innovative trends in chemical	--	48



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		March 2021	engineering – IPR		
22.		11th June 2020	Internet of things and its applications	Internet of things and its applications	158
23.		24/06/ 2020	Application of Artificial Intelligence on Renewable energy	--	56
24.		19/04/ 2021to 24/04/ 2021	Emerging Trends in Industrial Automation	--	78
25.		19/01/2021 to 21/01/2021	Pedagogy for Outcome Based Education	--	198
26.		08/03/2021 to 10/03/2021	FDP on Design Thinking	FDP on Design Thinking	152
27.		12/03/2021	UHV Sensitization Program	UHV Sensitization Program	359



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Professional Development /Administrative Training Programs Organized by the Institution for Teaching and Non-Teaching Staff

Annual Report 2020-21

In the academic year 2020-21, the Institution has organized 27 programmes for the benefit of faculty and other staff of the Institution. Various programmes like NAAC assessment and Accreditation process for University, Application of ICT on English language teaching, Workshop on National Educational Policy, Workshop on Examination Reform Policy, Executive Development Programme on Leading Digital Transformation- Innovative Applications of Emerging Technologies, Network Components and Network Related Issues in the Campus, Workshop on Bridging the gap between Academia and Industry, Ethics, Values and Respect, Outcome Based Education in Line with NBA Process, Safety Measures for the new normal situation to overcome Covid 19 Fear, Safety and Quality Maintenance in Laboratory, National Communication Skill Challenge, Digital Twin Technology for Industrial Automation (Phase I, II and III), 3D Printing and Additive Manufacturing for Industrial and Biomedical Application, Administrative Capacitive Building, Faculty Development Programm For Advanced Machining Techniques, Progress from Project to Patent FDP, Recent advancements in chemical environmental engineering, Historical perspectives and recent innovative trends in chemical engineering – IPR, Internet of things and its Applications, Application of Artificial Intelligence on Renewable energy, Emerging Trends in Industrial Automation, Pedagogy for Outcome Based Education. The key objectives of the programs were to identify the gaps in accomplishing effective and efficient Teaching and Learning for outcome-based education to strengthen the institutional quality assurance system. The speakers gave a clear-cut idea to the participants on accomplish effective Teaching and Learning for outcome-based education, Design and develop the curriculum in the perspective of SDGs & NEP, Measure and quantify the quality, Analyze and assure quality in higher education, develop processes and practices for quality enhancement to meet the demand of the society. The various events are summarized in the following table.



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List of Programs conducted during the Academic year 2020-2021

Program No.	Year	Name of the Event	No. of Participants
1.	2020-2021	NAAC assessment and Accreditation process for university	496
2.		Application of ICT on English language teaching	125
3.		Workshop on National Educational Policy	254
4.		Workshop on Examination Reform Policy	355
5.		Executive Development Programme on Leading Digital Transformation- Innovative Applications of Emerging Technologies	125
6.		Network Components and Network Related Issues in the Campus	136
7.		Workshop on Bridging the gap between Academia and Industry	148
8.		Ethics, Values and Respect	352
9.		Outcome Based Education in Line with NBA Process	
10.		Safety Measures for the new normal situation to overcome Covid 19 Fear	452
11.		Safety and Quality Maintenance in Laboratory	85
12.		National Communication Skill Challenge	87
13.		Digital Twin Technology for Industrial Automation (Phase I)	85
14.		Digital Twin Technology for Industrial Automation (Phase II)	72
15.		Digital Twin Technology for Industrial Automation (Phase III)	68
16.		3D Printing and Additive Manufacturing for Industrial and Biomedical Application	45
17.		Administrative Capacitive Building	158
18.		Faculty Development Programm for Advanced Machining Techniques	65
19.		Progress from Project to Patent FDP	252
20.		Recent advancements in chemical environmental engineering	56
21.		Historical perspectives and recent innovative trends in chemical engineering – IPR	48
22.		Internet of things and its applications	158



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23.		Application of Artificial Intelligence on Renewable energy	56
24.		Emerging Trends in Industrial Automation	78
25.		Pedagogy for Outcome Based Education	198
26.		FDP on Design Thinking	152
27.		UHV Sensitization Program	359

1. NAAC assessment and Accreditation process for university

Dated: 13/06/2020

The IQAC of Sathyabama Institute of Science and Technology, Chennai has organized a webinar on “NAAC assessment and Accreditation process for University” on 13/06/2020. The key objectives of the workshop were to identify the gaps in accomplishing effective and efficient Teaching and Learning for outcome-based education to strengthen the institutional quality assurance system. The NAAC advisers gave a clear-cut idea to the participants on accomplish effective Teaching and Learning for outcome-based education, Design and develop the curriculum in the perspective of SDGs & NEP, Measure and quantify the quality, Analyze and assure quality in higher education, Develop processes and practices for quality enhancement and to Reform the institutional quality assurance system.



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INSTITUTE OF SCIENCE & TECHNOLOGY

(Deemed to be University)

Chennai - 500 135



INTERNAL QUALITY ASSURANCE CELL (IQAC)

& DEPARTMENT OF BIOMEDICAL ENGINEERING

Organizes

LIVE WEBINAR

"NAAC ASSESSMENT AND ACCREDITATION
PROCESS FOR UNIVERSITY"



Prof. AMIYA KUMAR RATH
ADVISER, NAAC

Webinar Topic:
NAAC Assessment &
Accreditation Process
for University



Dr. B.S. PONMUDIRAJ
ADVISER, NAAC

Webinar Topic:
Importance of IQAC &
AQAR Preparation for
NAAC Accreditation

FOR MORE DETAILS:

CONTACT: +91-94437 86840

MAIL: iqac@sathyabama.ac.in

DATE: 13 JUNE 2020 (SATURDAY)

SESSION TIMING: 10:00 AM - 12:30 PM

REGISTRATION LINK

<https://forms.gle/b6fHcYor4Q8DWGkw6>

No registration Fee & E-Certificate will be provided

SCAN QR CODE



PATRONS

Dr. MARIAZEENA JOHNSON

CHANCELLOR

Dr. MARIE JOHNSON

PRESIDENT

CO-ORDINATORS

Dr. T. SASIPRABA

VICE CHANCELLOR

Dr. ANIMA NANDA

DIRECTOR - IQAC

ORGANIZERS:

Dr. T. Sudhakar

Dr. J. Prem Kumar

Dr. S. Krishnakumar

Ms. Sindu Divakaran

Ms. J. Bethanney Janney

Mr. G. Umashankar

Dr. M. Ilankadhir

Dr. N. Kumar



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2. Application of ICT on English language teaching

Date: 18/02/2021

IQAC has conducted a workshop on “**Application of ICT on English language teaching**” on **18/02/2021**. It is thought that learning and teaching a language is a difficult process. The necessity of the hour is for highly developed teaching aids to be available in order to simplify such complexity. Teaching and learning, which have steadily become more trustworthy as a result of the Internet’s recent and significant development, have not been exempt from the technological revolution. ICT is currently becoming much more popular in the teaching and learning of foreign languages as more educators adopt it. ICT clearly has an impact on both the amount and quality of teaching-learning activities. The dynamic, interactive, and interesting information that ICT offers can actually improve teaching and learning, and it can offer genuine opportunity for 47rganized47ed education. Technology has significantly altered the present classroom atmosphere compared to the prior, more conventional environment. To demonstrate how technology affects foreign language education and how it can be used effectively in the classroom, the current programme, however, shone a light on the ICT tools that can aid in the development of English language learning and teaching processes. These resources can be 47rganize in the classroom and include both web-based and non-web based applications.



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Workshop on **APPLICATION OF ICT IN ENGLISH LANGUAGE TEACHING**

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

ICT



INFORMATION



COMMUNICATION



TECHNOLOGY

DATE: 19.02.2021 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

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Dr. Maria Johnson
President

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Vice Chancellor



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3. Workshop on National Educational Policy

Date: 23-3-2021 to 27-3-2021

A workshop on National Education Policy was conducted from 23-3-2021 to 27-3-2021 by IQAC and Electronics and Communication Engineering department. As government is moving towards a new direction on National Education Policy, awareness on NEP has been created using this workshop. The topics on Pedagogy used, Curriculum development and design were the major focused contents that have been covered during the workshop. More than 75 participants were attended the workshop.

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**SIX DAYS WORKSHOP ON
NATIONAL EDUCATIONAL POLICY**
Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

DATE: 23-3-2021 TO 27-3-2021

TIME
9:30 AM

VENUE
CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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4. Workshop on Examination Reform Policy

Date: 25-1-2021 to 30-1-2021

The workshop on Exam reforms policy was very useful during lockdown. The program was 50organized by IQAC and School of Electronics, the complete revamping of question paper pattern was discussed during the program. Nearly 146 members participated in this workshop. CO – PO mapping, Discussion on Performance Indicators, Assessment Schemes were discussed during workshop.

The poster features the Sathyabama Institute of Science and Technology logo at the top, followed by the text "SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE A UNIVERSITY) Accredited with 'A' grade by NAAC www.sathyabama.ac.in". Below this, the title "Workshop on EXAMINATION REFORM POLICY" is displayed in large, bold letters. A central graphic shows a 3D figure sitting on a large red question mark, with a stack of books to the right and a graduation cap and diploma to the left. Text on the poster includes: "Organized by INTERNAL QUALITY ASSURANCE CELL (IQAC)", "DATE 25-1-2021 TO 30-1-2021", "TIME 9:30 AM", "VENUE CENTRAL LIBRARY", and a list of patrons: Dr. Mariazeena Johnson (Chancellor), Dr. Maria Johnson (President), and Dr. T. Sasipraba (Vice Chancellor).

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Workshop on
EXAMINATION REFORM POLICY

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

DATE
25-1-2021
TO
30-1-2021

TIME
9:30 AM

VENUE
CENTRAL LIBRARY

PATRONS

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Chancellor

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Vice Chancellor



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SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING

Workshop on Examination Reform Policy

Date: 25.1.2021 to 30.1.2021

Resource Person

Mr. M. PREM KUMAR
Principal, Paavai Engineering College
Mr. T. JAYANTHI
Principal
Sathyabama Institute of Technology

Course Contents

- Assessment Strategy for Outcome Based Education (OBE)
- Mapping Program Outcomes (POs)
- Two-step Process for Bringing Clarity to POs
- Program Outcomes - Competencies - Performance Indicators (PIs)
- Action Verbs for Assessment
- Assessment Planning



SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

Six days Workshop on National Educational Policy

Date: 23-3-2021 to 27-3-2021

Resource Person

Mr. M.A. Bhagyavani
Professor, Anna University
Mr. Aravinth J
Assistant Professor, Amrita Vishwa Vidyapeetham

COURSE CONTENT

- Foundational Literacy and Numeracy
- Curtailing Dropout Rates and Ensuring Universal Access to Education at All Levels
- Curriculum and Pedagogy in Schools: Learning Should be Holistic, Integrated, Inclusive, Enjoyable, and Engaging
- Service environment and culture
- Career management and progression
- Approach to teacher education



PATRONS

Dr. E. Loganathan, Pro - VC
Dr. G. Sundar, Director Admin

CONVENORS

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Dr. T. Ravi, Head of the Department, ECE

CO - ORDINATORS

ECE DEPARTMENT
Dr. P. Chitra
Dr. P. Kaviriva



PATRONS

Dr. E. Loganathan, Pro - VC
Dr. G. Sundar, Director Admin

CONVENORS

Dr. N.M. Nanditha, Dean, School of EEE
Dr. T. Ravi, Head of the Department, ECE

CO - ORDINATORS

ECE DEPARTMENT
Dr. S. Emelda Roslin
Mr. L. Jagan Antony Marudan
Dr. V. Balasubramanian



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5. Executive Development Programme on Leading Digital Transformation- Innovative Applications of Emerging Technologies

Dated: August 3, 2020 to August 17, 2020

Department of CSE organized a Fifteen Days **Executive Development Programme on Leading Digital Transformation- Innovative Applications of Emerging Technologies** from **August 3, 2020 to August 17, 2020**. Dr. Pethuru Raj – Chief Architect & Vice President-RJIL Bangalore, Mr. Prasad Ramchandra Deore – Director-NASSCOM, Mr. Joseph – Managing Director-ITK Education Services P Ltd. Chennai, Mr. Ramesh G – Ex-G M Operations ABT Maruthi Chennai, Dr. Revathy – Sathyabama Institute of Science and Technology, Ms. S. Sheeba – Software Automation Lead – American technology Consulting Chennai, Ms. E. Aruna Devi – SAP Labs Bangalore, Dr. Ashok Kumar K – Sathyabama Institute of Science and Technology, Mr. Aravind R – Senior Manager – MTAB Technology Center Chennai, Dr. I. Jacob Ragiend – Vellore Institute of Technology Vellore, Dr. R J Minu – SRM Institute of Science and Technology Kattankulathur, Dr. S. Murugan – Sathyabama Institute of Science and Technology, Dr. Bharathi B – Sathyabama Institute of Science and Technology, Mr. b. Yogeshwaran - Machine Learning Engineer – TCS Chennai, Mr. Sethuraman – Sathyabama Institute of Science and Technology conducted this programme for all students. Top-Right Image: Day 1: August 3, 2020, Speaker: Dr. Pethuru Raj – Chief Architect & Vice President-RJIL Bangalore, Topic: Digital Twin Bottom-Right Image: Day3: 05.08.2020, Speaker: Mr. Ramesh G, G.M. Operations, ABT Maruthi, Chennai, Topic: Digitalization in Customer Service.



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SCHOOL OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

In Association with



15 Days Executive Development Programme in

Leading Digital Transformation: Innovative Applications of Emerging Technologies

Dates 3rd August to 17th August, 2020

Times 11 AM to 1 PM

Registration Link <https://tinyurl.com/EDP2020>



Digital Twin
Dr. Pethuru Raj,
Chief Architect & Vice President,
RIL, Bangalore.



Digital Transformation Industry 4.0
Mr. Prasad Ramchandra Deore,
Director, Nasscom.



Low Code Cloud Automation using
Zoho Creator
Mr. Joseph, Managing Director,
iTX Education Services P Ltd, Chennai.



Digitalization in Customer Service
Mr. Ramesh G,
Sr. G M Operations ABT Maruti Chennai



Machine Learning with R
Dr. Ravichandran, Dept. of IT
Sathyabama Institute of Science and
Technology.



Agile Testing strategies for Digital Success
Ms. S. Sheeba,
Software Automation Lead,
American Technology Consulting, Chennai.



Role of Python in Digitization Era
Ms. E. Anura Devi,
Sr. LMS Bangalore.



Cloud Key data challenges in higher education
Dr. Arunkumar E., Dept. of CSE
Sathyabama Institute of Science and Technology.



Successful of Digital Enterprise
Mr. S. Yogeshwaran, Dept. of CSE
Sathyabama Institute of Science and Technology.



Smart Factory Automation Digital
Twin & Robotics
Mr. Aravind R., Senior Manager
MTAR Technology Center, Chennai.



Smart Grid Digital Twin
Dr. I. Jacob Rajendran, Dept. of EEE
Vellore Institute of Technology
Vellore



Machine Vision & Intelligence
Dr. R. J. Minu, Dept. of CSE
SAM Institute of Science and Technology
Kattankulathur



Story Telling with Data
Dr. S. Maragan, Dept. of CSE
Sathyabama Institute of Science and
Technology.



Machine Learning Strength Perspective
and Opportunities
Dr. Bharathi B., Dept. of CSE
Sathyabama Institute of Science and Technology.



Generative Adversarial Networks
Mr. B. Yogeshwaran,
Machine Learning Engineer,
Tata Consultancy Services, Chennai.

CHIEF PATRONS

Dr. MARJAREENA JOHNSON, CHANCELLOR

Dr. MAREN JOHNSON, PRESIDENT

Dr. T. SASEPRAHA, VICE CHANCELLOR

For E-Executive Program Contact

Coordinators

Dr. T. Sasepraha, Dean, School of Computing
Dr. L. Lakshminarayana, Head, CSE
Dr. S. Vijayalakshmi, Head, CSE

844719227
944240229
944240230
944240231

a Certificate will be provided
No Registration Fee!

Organizers

Dr. S. Sasepraha, Dept. of CSE
Dr. T. Sasepraha, Dept. of CSE
Dr. S. Sasepraha, Dept. of CSE
Dr. S. Sasepraha, Dept. of CSE

Day 1: 03.08.2020

Speaker: Dr. Pethuru Raj, Chief Architect and Vice President, RIL, Bangalore.

Topic: Digital Twin



Day 3: 05.08.2020

Speaker: Mr. Ramesh G, G M Operations ABT Maruti, Chennai.

Topic: Digitalization in Customer Service





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6. "Network Components and Network Related Issues in the Campus."

Dated: 8/3/2021 and 10/3/2021

In the period between 8/3/2021 and 10/3/2021, IQAC held a session on "Network Components and Network Related Issues in the Campus." The program's topic covered computer hardware, hardware for computer networks, different types of computer networks in the campus and networking troubleshoots. This program helped the participants to create, install and oversee computer networking systems within a campus. It also helped in network implementation; basic understanding of computer hardware networking and to overcome the trouble shoots.



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**Awareness on
NETWORK COMPONENTS AND
NETWORK RELATED ISSUES IN THE CAMPUS**

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)



DATE: 8/3/2021 TO 10/3/2021 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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7. Workshop on Bridging the gap between Academia and Industry

Date: 8-3-2021 to 13-3-2021

This workshop brings the importance of Industry Interaction in course delivery. It also analyzed the key aspects of gap that is usually felt between academia and Industry. The department staff members also discussed about the initiative taken for two courses Embedded Systems and Microwave for which 2 units of the courses has been covered by Industrial experts of that specialization and this was greatly appreciated.

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**WORKSHOP ON
BRIDGING THE GAP BETWEEN
ACADEMIA AND INDUSTRY**

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

BRIDGE THE GAP

RENEWABLE

SUSTAINABLE

DATE
23-3-2021 TO 27-3-2021

TIME
9:30 AM

VENUE
CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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8. Workshop on Ethics, Values and Respect

Dated: 19/01//2021

The IQAC, department of Law and department of Management organised a workshop on “ Ethics, Values and Respect” on Jan 19th 2021. After pandemic people understood the value of life and perhaps the most fundamental ethical precept of all is respect for individuals. Respectful behaviour demands that each and every one of us uphold the inherent worth of everyone else. Something that is inherent to us is something that is necessary to who we are and cannot be acquired. It is a quality of personhood.

Over time and between civilizations, the origins of intrinsic dignity have changed. The illustration is not literal in any culture. Instead, it refers to being created in God’s “moral image,” which emphasises the importance of having free will. Secular sources of personhood are also present. What we rely on as the foundation for our fundamental opposition to any type of discrimination against people, regardless of their age, gender, sexual orientation, ethnicity, religion, or any other factor. That is essentially the justification for listening to their viewpoint. This is why we ought to criticise the arguments rather than the speaker. It is for this reason that even if we have strong disagreements with someone, we should avoid criticising, bullying, silencing, or oppressing them.



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Workshop on **ETHICS, VALUES AND RESPECT**

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)



DATE: 19.01.2021 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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9. Outcome Based Education in Line with NBA Process

Dated: 15/02/2021 to 17/02/2021

IQAC organised a FDP program on “Outcome Based Education in Line with NBA Process” on 15/02/2021 to 17/02/2021. The programme focussed on Outcomes based education (OBE) which is a process that involves the restructuring of curriculum, assessment and reporting practices in education to reflect the achievement of high order learning and mastery rather than the accumulation of course credits. The major focus on the Globalization has brought in a clear shift from education as transmission of expert knowledge to education as building learner competencies including learning to learn and life long learning. That means focus will have to be on understanding fundamentals very well, and learning new skills/competencies to solve problems and shoulder challenges which are not even known today.



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FDP on OUTCOME BASED EDUCATION IN LINE WITH NBA PROCESS

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)



DATE: 15/2/2021 TO 17/02/2021 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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10. Safety Measures for the new normal situation to overcome Covid 19 Fear

Dated: 16th-17th Feb-2021

The Department of Chemical Engineering of Sathyabama Institute of Science and Technology Organized a training program on "First aid and Fire extinguishing techniques" for the technical staff and create awareness on safety on 4 th Dec to 6 th Dec 2018.. Sathyabama Institute of Science and Technology in association with in association with SEED for SAFETY, organized a Hands-on training in fire safety for its research scholars, students, faculty and non-teaching staff. Mr. A. Gokul Suresh, Director, Sri Mother Safety, Chennai, delivered a talk on the importance of Fire Safety and trained the participants on handling various fire extinguishers.

ABOUT SATHYABAMA

Sathyabama Institute of Science and Technology (A Christian Minority Institution) was established in 1987 by Col. Dr. Jeppiaar. The institution's progress and contribution to the field of technical education for over three decades resulted in granting Deemed University status on 16th July, 2001. The Institute has been awarded as Category "A" University by MHRD, Government of India and accredited by NAAC with Grade "A" in the year 2017. Our motto is "TOGETHER FOR BETTER TOMORROW" and our mantra of Success is "LEARN TODAY and LEAD TOMORROW"

ABOUT DEPARTMENT

The department of chemical engineering was established in the year 1995. The department has undertaken various sponsored and collaborative research development projects funded by IGCAR , ISRO & MNRE. Synergise the efforts of the students and the faculty to evolve innovation engineering practices and teaching methodologies and generate an environment of continuous learning and research..

Vision

We empower the student community to maximize their potential for the development and transfer of technical competence in the field of Chemical Engineering through academic and research excellence extending service to the mankind.

Mission

M1: To produce socially responsible chemical engineers of high academic pursuit who will contribute to challenges and improvement of process industries worldwide.

M2: To excel in research with an in-depth knowledge of core principles for providing solutions in process industries.

M3: To enhance the experienced learning in collaboration with esteemed National and International Institutes/ Universities/ Industries.

M4: To develop sustainable solutions for the societal needs.

ABOUT WORKSHOP

The main goal the workshop to prevent injury and illness by educating safety to all lab technical.

CHIEF PATRONS

Dr . MARIAZEENA JOHNSON,

B.E, MBA , M.Phil,Ph.D

CHANCELLOR

Dr . MARIE JOHNSON,

B.E , MBA , M.Phil , Ph.D

PRESIDENT

Ms.MARIA BERNADETTE TAMILARASI

JOHNSON

VICE PRESIDENT

ADVISORS

Dr. T.SASIPRABA, M.E., Ph.D.,

VICE CHANCELLOR

Dr. S.S. RAO , M.B.A., Ph.D.,

REGISTRAR

Dr. E. LOGASHANMUGAM, M.E., Ph.D.,

PRO VICE CHANCELLOR

CONVENOR

Dr. WILSON ARUNI, Ph.D., FAMPV.

PRO VICE CHANCELLOR

ORGANISING SECRETARIES

Dr. S. SATHISH, M.E., Ph.D.,

HOD, CHEMICAL

Dr. D. PRABU, M.S., Ph.D.,

Associate Professor

WORKSHOP

On

"Safety measures for the new normal situation to overcome Covid19 FEAR"

In Association with



16th - 17th FEB 2021

Organized

By

DEPARTMENT OF CHEMICAL
ENGINEERING

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11. Safety and Quality Maintenance in Laboratory

Date: 26/10/2020 & 27/06/2020

Short Term Training Program (SSTP-2021) titled “Safety and Quality Maintenance in Laboratory” has been successfully conducted on 26th & 27th June 2020 by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai. The main objective of this program is to understand that a laboratory poses potential risks due to high power or voltage and delivered by the **Resource Persons**, Ms. ADELIN SNEHA, Research Assistant (RA), Universiti Teknologi Malaysia (UTM). A little care and adherence to prescribed safety guidelines will help avoid laboratory mishaps. It proposes to offer updates on the care and maintenance of laboratory equipment as an integral part of quality assurance in the lab.



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SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Organizing

Short Term Training Programme on Safety and Quality Maintenance in Laboratory

Date: 26.06.2020 & 27.06.2020 Time: 3.00pm to 6.00 pm



Resource Person

Ms. Adeline Sneha

Research Assistant (RA)

Universiti Teknologi Malaysia (UTM)

CHIEF PATRONS

Dr. MARIAZEENA JOHNSON

CHANCELLOR

Dr. MARIE JOHNSON

PRESIDENT

Ms. MARIA BERNADETTE TAMILARASI JOHNSON

VICE PRESIDENT

Dr. T. SASIPRABA, VICE CHANCELLOR

PATRONS

Dr. E. Loganathan, Pro-VC
Dr. G. Sundar, Director Admin

CONVENORS

Dr. N. M. Sundar, Dean, School of EEE
Dr. T. Ravi, Head of the Department, ECE

CO-ORDINATORS

ECE DEPARTMENT
Dr. M. Sumathy, Professor
Dr. P. Kavipriya



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12. National Communication Skill Challenge

Date: 07-01-2020 to 08-11-2020

The Department of ECE conducted a workshop on National Communication Skill Challenge. The course content is Developing and Achieving Personal Goals, Understanding Nonverbal Communication, Career Planning and Goal Setting. This Two-day workshop guides an individual in Identifying and working on personal goals is an essential component of personal and career success. And also discussion made on the definition of personal development goals. How to set and work towards the goal and explore the benefits of having them was described by the resource person. At the end of this course, staffs can really get a clear sense of direction and purpose and can get great clarity in decision making.



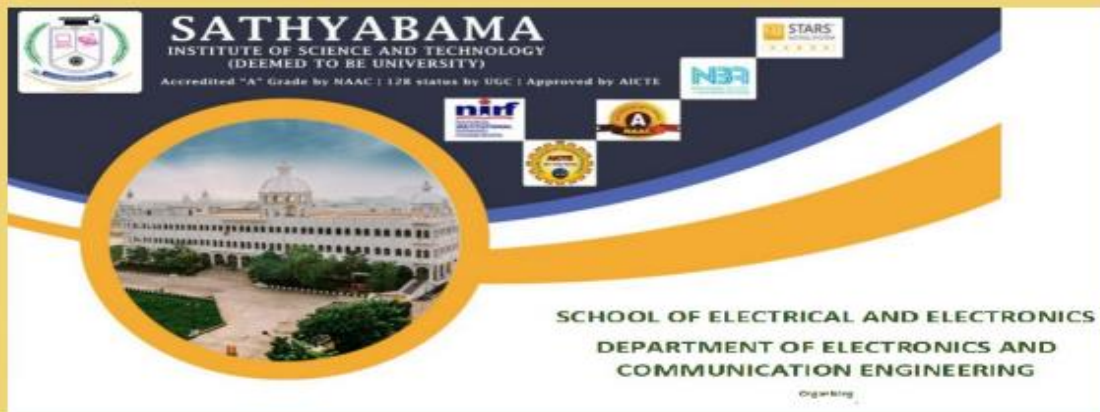
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A TWO-DAYS WORKSHOP FOR NON-TEACHING

National Communication Skill Challenge



Resource Person

Prof. Pushpa Nagini Sripada

Sathyabama Institute of Science and Technology, Chennai

Course Contents

Developing and Achieving Personal Goals

Understanding Nonverbal Communication

Career Planning and Goal Setting

Date : 07.01.2020 & 08.01.2020

Time: 5.00pm to 6.30 pm

CHIEF PATRONS

Dr. Mariazeena Johnson,
Chancellor

Dr. Marie Johnson,
President

Mr. J. Arul Selvan,
Vice president

Ms. Maria Bernadette Tamilarasi,
Vice president

Dr. T. Sasipraba,
Vice Chancellor

Patrons:

Dr E Logashanmugam,
Pro Vice Chancellor

Dr G Sundari,
Director Administration

Convener

Dr N M Nandhitha,
Dean, School of EE

Dr T Ravi,
HOD,ECE

Coordinators

Dr.M.Sugadev,Asso.Prof,ECE



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13. "Digital Twin Technology for Industrial Automation"

Dated: October 5th-10th, 2020 (Phase I), November 2th-7th, 2020 (Phase II) and December 7th-12th, 2020 (Phase III)

Six days online Short term training Programme on "**Digital Twin Technology for Industrial Automation**" was organized by Sathyabama Institute of Science and Technology, Chennai with AICTE from **October 5th-10th, 2020 (Phase I), November 2th-7th, 2020 (Phase II) and December 7th-12th, 2020 (Phase III).**

The opening Institutional ceremony was inaugurated by **Dr. T. Sasipraba, Vice Chancellor**, Sathyabama Institute of Science and Technology, delivered the introductory speech with the theme of the STTP and the objectives behind organizing the STTP. In her inaugural speech, she spoke about the role of digital manufacturing to improve quality in research and start-up. Her talk covered a wide range of best practices through which the institution can transform the education system towards Digital Manufacturing.

For each phase, there were **17 Technical Sessions and one Motivational Session** in the STTP excluding Inaugural Session and Valedictory Session. A total of 200 faculties, Research scholars, PG Students from various Institutions from the entire nation had benefited and witnessed in the program. Speakers have enlightened the audience with their inspiring talk and shared their valuable experience.

At the end of technical sessions, Dr. S.Prakash, Dean, School of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai (Coordinator) gave some valuable suggestions for the creation, continuity or sustenance and maintenance of New Product Development with Digital Manufacturing in Higher Education Institutions. Sathyabama Institute of Science and Technology has to ensure continuous improvement in all the Product Development aspects of an institution and also assure the accountability of the institution for its own quality to the stakeholders.



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13. "Digital Twin Technology for Industrial Automation"

Dated: October 5th-10th, 2020 (Phase I),

 CHIEF PATRONS Dr. Mariazeena Johnson, B.E, M.B.A, M.Phil, Ph.D., Chancellor Dr. Marie Johnson, B.E, M.B.A, M.Phil, Ph.D., President PATRON Dr. T.Sasipraba, M.E, Ph.D., Vice Chancellor UNDER THE GUIDANCE OF Dr.E.Logashanmugam, Pro Vice Chancellor Dr. Wilson Aruni, Pro Vice Chancellor Dr. S.S. Rao, Registrar Dr. S. Igni Sabasti Prabu, Controller of Examinations Dr.G.Sundari, Director – Administration Dr.B.Sheela Rani, Director – Research Coordinator Dr.S.Prakash, Professor, Department of Mechanical Engineering Contact: +91 9940 390 301 dean.mechanical@sathyabama.ac.in Co-Coordiators Mr.Kaja Bantha Navas, Assistant Prof, School of Mechanical Engineering Contact: +91 9952 699 572 sumai244@gmail.com Mrs.K.R.Kavitha, Assistant Prof, Department of Mechanical Engineering Program Monitoring Committee Dr T.Sasipraba, Vice Chancellor Dr S Prakash, Dean (School of Mechanical Engineering) Dr. G. Arunkumar, HOD (Department of Mechanical Engineering) Dr. P.Booma Devi, HOD (Department of Aeronautical Engineering) Dr P S Venkateswaran, National Technical Manager, ARK Info solutions	 AICTE Sponsored online SIX DAYS ONLINE SHORT TERM TRAINING PROGRAM (STTP) ON DIGITAL TWIN TECHNOLOGY FOR INDUSTRIAL AUTOMATION PROCESS 5th OCTOBER to 10th OCTOBER 2020 (Phase – I) Organized By: SCHOOL OF MECHANICAL ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING  SATHYABAMA Institute of Science and Technology (Deemed to be University) Accredited with "A" grade by NAAC CHENNAI, INDIA www.sathyabama.ac.in
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About Sathyabama Institute of Science & Technology (Deemed to be University)

Sathyabama Institute of Science and Technology is one of South India's premier Academic and Research Universities that offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, Management, Dentistry, Law and Nursing. It has been Accredited with 'A' Grade by the National Accreditation and Assessment Council (NAAC). Sathyabama's standing in rankings and ratings are excellent at National and International level. For the year 2020, Sathyabama Institute of Science and Technology has been ranked in 39th position among the Universities in India by the National Institutional Ranking Framework (NIRF), Government of India. NIRF has consistently ranked Sathyabama in the top 50 positions and this is the fifth consecutive year the Institution is receiving this recognition. Sathyabama Institute of Science and Technology is steered towards success under the leadership of Chancellor Dr. Mariazeena Johnson and President Dr. Marie Johnson. Sathyabama has undertaken various sponsored projects funded by both International & National organizations and also successfully conducted non-formal education programs through 18 village Resource Centers all over the state.

About Department of Mechanical Engineering

The Mechanical Engineering Department, established in the year 1988 is one of the first departments in Sathyabama and has been offering B.E. degree programme in Mechanical Engineering, M.E. degree programmes and Ph.D Research programmes. The department has seen a tremendous growth over the last two decades with faculty members doing their doctoral research in various fields of Mechanical Engineering. The department has state of art laboratory facilities to give a wide exposure to the students for practical knowledge and hands on experience and also to cater the research needs of students and faculty members. In line with our policy of keeping abreast with the latest development, by the collective and responsive effort of the faculty the department conducts FDPs, workshops, symposia, National and International conferences.

Scope and Necessity for Digital Twin Technology

The objective of the program is to develop and create awareness on Digital Twin Technology for quality and process improvement through modeling and simulation in Industries. The customers can create a perfect digital copy of their product, plant and process to simulate how these key elements interact, where bottlenecks form, where waste is generated. Also, they can resolve all these problems by optimizing their enterprise in the virtual world before ever committing a resource in the real world in Industrial revolution 4.0



Training Contents

- ◆ Digital Twin Technologies and the relevance of its Adoption Now
- ◆ Digital Twin –Basics & its Applications in Industry
- ◆ Digital Twin for Process Industries & Application Integrated Engineering to Integrated Operations
- ◆ Digital Twin of Process Plant Digital Twin increasing Manufacturing process & Operational efficiency Digital Twin Technologies – Industry View
- ◆ Digital Twin Tools for Academic Research
- ◆ RF/ Wireless & EMI/EMC Consideration in Digital Twin Team center / Technomatix / MCD Practical
- ◆ Demo & Case Study Automation Simulation for Digital Twin –PLC & Simulation tools

Resource Persons

Experienced faculty members and experts from Industries and premier institutions will be delivering the lectures and practical sessions.

Eligibility

Faculty from AICTE approved Engineering Colleges / Universities with teaching positions in Mechanical Engineering / Information Technology / Computer Science Engineering/Electronics and Communication and other related engineering disciplines are eligible. Interested practicing engineers from industries may also apply. The number of seats is limited to 60 in each slot and selection is based on a first come first serve basis.

Certificate

E certificates will be provided for the participants with 80 % attendance and above 50 % score in Assignments.

Registration is open at:

bit.ly/SathyabamaSTTP-Phase1

Registration FREE

Registration limited to 60

First Come First Serve basis

IMPORTANT DATES

Last Date to Apply: **02.10.2020**

Intimation of Selection: **03.10.2020**

Confirmation by Participants: **03.10.2020**





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Date/Day/Sessions	9 AM – 11 AM	11.15 AM – 1.15 PM	2 PM – 5 PM
05.10.2020 (Monday)	James Michael Amulu , Director – SAP, Digital Supply Chain Management	Girish R Visvanathan, Head, Technical R & D, Q Square Pvt Ltd, Singapore Design and Operation of Green and Smart Built Environment	Dr C Sabarinathan Head of the Department, Dept of Automobile Engineering, Hindustan College of Engineering and Technology Digital Twin Technology Fundamental Aspects and its Functional Application in Automotive Industries
06.10.2020 (Tuesday)	Swarna Ravindra Babu Industrial IOT	Dr A Balaji Ganesh Dean (R&D), Velammal Engineering College Cyber Physical System with Industry 4.0	A.S Ajay Kumar Founder – Cognibot Artificial Intelligence in Automation
07.10.2020 (Wednesday)	D. Sundarasekaran (Rtd. MLF) Professor, Dept of ECE Vellammal Institute of Technology PLC in Industrial Automation	Dr. Bharathi. B Professor, Dept of CSE Sathyabama Institute of Science and Technology Machine Learning in Mechanical Engineering Application	Mr L Prasanna Venkatesh Assistant Professor, Dept of Mathematics Sathyabama Institute of Science and Technology The Science of Yoga towards Health
08.10.2020 (Thursday)	Dr P S Venkateswaran National Technical Manager ARK info solutions Pvt Ltd., Power of Digital Manufacturing for New Product Development	Dr P S Venkateswaran National Technical Manager ARK info solutions Pvt Ltd., Power of Digital Manufacturing for New Product Development	D. Sundarasekaran (Rtd. MLF) Professor, Dept of ECE Vellammal Institute of Technology PLC in Industrial Automation
09.10.2020 (Friday)	Dr. L. Chitra, Associate Professor Dept of EEE, Aarupadai Veedu Institute of Technology (AVIT)	Dr. L. Chitra, Associate Professor Dept of EEE, Aarupadai Veedu Institute of Technology (AVIT) Digital Twin for Process Control System	Dr. G. Shanmugasundar Associate Professor/Mechanical Sri Sai Ram Institute of Technology Design and Analysis of articulated inspection robots



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	<i>Digital Twin for Process Control System</i>		<i>arm for Inspection in Industry 4.0</i>
10.10.2020 (Saturday)	Dr. P. Senthil Kumar Dept of Mechatronics, Bannari Amman Institute of Science and Technology <i>Intelligent Control for System Design</i>	Dr. P. Senthil Kumar Dept of Mechatronics, Bannari Amman Institute of Science and Technology <i>Intelligent Control for System Design</i>	Validity, Test and Feedback

14. "Digital Twin Technology for Industrial Automation"

Dated: November 2th-7th, 2020 (Phase II)



CHIEF PATRONS

Dr. Mariazeena Johnson, B.E, M.B.A, M.Phil, Ph.D.,
Chancellor

Dr. Marie Johnson, B.E, M.B.A, M.Phil, Ph.D.,
President

PATRON

Dr. T.Sasipraba, M.E, Ph.D.,
Vice Chancellor

UNDER THE GUIDANCE OF

Dr.E.Logashanmugam, Pro Vice Chancellor
Dr. Wilson Aruni, Pro Vice Chancellor
Dr. S.S. Rao, Registrar
Dr. S. Igni Sabasti Prabu, Controller of Examinations
Dr.G.Sundari, Director – Administration
Dr.B.Sheela Rani, Director – Research

Coordinator

Dr.S.Prakash, Professor, Department of Mechanical Engineering
Contact: +91 9940 390 301 | dean.mechanical@sathyabama.ac.in

Co-Coordination

Mr.Kaja Bantha Navas, Assistant Prof, School of Mechanical Engineering
Contact: +91 9952 699 572 | sumai244@gmail.com

Mrs.K.R.Kavitha, Assistant Prof, Department of Mechanical Engineering

Program Monitoring Committee

Dr T.Sasipraba, Vice Chancellor
Dr S Prakash, Dean (School of Mechanical Engineering)
Dr. G. Arunkumar, HOD (Department of Mechanical Engineering)
Dr. P.Booma Devi, HOD (Department of Aeronautical Engineering)
Dr P S Venkateswaran, National Technical Manager, ARK Info Solutions



AICTE Sponsored

SIX DAYS ONLINE

SHORT TERM TRAINING PROGRAM (STTP)

ON

DIGITAL TWIN TECHNOLOGY FOR INDUSTRIAL AUTOMATION PROCESS

2nd NOVEMBER to 7th NOVEMBER 2020 (Phase – II)

Organized By:

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING



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About Sathyabama Institute of Science & Technology (Deemed to be University)

Sathyabama Institute of Science and Technology is one of South India's premier Academic and Research Universities that offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, Management, Dentistry, Law and Nursing. It has been Accredited with 'A' Grade by the National Accreditation and Assessment Council (NAAC). Sathyabama's standing in rankings and ratings are excellent at National and International level. For the year 2020, Sathyabama Institute of Science and Technology has been ranked in 39th position among the Universities in India by the National Institutional Ranking Framework (NIRF), Government of India. NIRF has consistently ranked Sathyabama in the top 50 positions and this is the fifth consecutive year the Institution is receiving this recognition. Sathyabama Institute of Science and Technology is steered towards success under the leadership of Chancellor Dr. Marizeena Johnson and President Dr. Marie Johnson. Sathyabama has undertaken various sponsored projects funded by both International & National organizations and also successfully conducted non-formal education programs through 18 village Resource Centers all over the state.

About Department of Mechanical Engineering

The Mechanical Engineering Department, established in the year 1988 is one of the first departments in Sathyabama and has been offering B.E. degree programme in Mechanical Engineering, M.E. degree programmes and Ph.D Research programmes. The department has seen a tremendous growth over the last two decades with faculty members doing their doctoral research in various fields of Mechanical Engineering. The department has state of art laboratory facilities to give a wide exposure to the students for practical knowledge and hands on experience and also to cater the research needs of students and faculty members. In line with our policy of keeping abreast with the latest development, by the collective and responsive effort of the faculty the department conducts FDPs, workshops, symposia, National and International conferences.

Scope and Necessity for Digital Twin Technology

The objective of the program is to develop and create awareness on Digital Twin Technology for quality and process improvement through modeling and simulation in Industries. The customers can create a perfect digital copy of their product, plant and process to simulate how these key elements interact, where bottlenecks form, where waste is generated. Also, they can resolve all these problems by optimizing their enterprise in the virtual world before ever committing a resource in the real world in Industrial revolution 4.0



Training Contents

- ◆ Digital Twin Technologies and the relevance of its Adoption Now
- ◆ Digital Twin –Basics & its Applications in Industry
- ◆ Digital Twin for Process Industries & Application Integrated Engineering to Integrated Operations
- ◆ Digital Twin of Process Plant Digital Twin increasing Manufacturing process & Operational efficiency Digital Twin Technologies – Industry View
- ◆ Digital Twin Tools for Academic Research
- ◆ RF/ Wireless & EMI/EMC Consideration in Digital Twin Team center / Technomatix / MCD Practical
- ◆ Demo & Case Study Automation Simulation for Digital Twin – PLC & Simulation tools

Resource Persons

Experienced faculty members and experts from Industries and premier institutions will be delivering the lectures and practical sessions.

Eligibility

Faculty from AICTE approved Engineering Colleges / Universities with teaching positions in Mechanical Engineering / Information Technology / Computer Science Engineering/Electronics and Communication and other related engineering disciplines are eligible. Interested practicing engineers from industries may also apply. The number of seats is limited to 60 in each slot and selection is based on a first come first serve basis.

Certificate

E certificates will be provided for the participants with 80 % attendance and above 50 % score in Assignments.

Registration is open at:
bit.ly/SathyabamaSTTP-Phase2

Registration FREE

Registration limited to 60

First Come First Serve basis

IMPORTANT DATES

Last Date to Apply: **29.10.2020**

Intimation of Selection: **30.10.2020**

Confirmation by Participants: **31.10.2020**





SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

Date/Day/Sessions	9.00 AM – 11.00 AM	11.15 AM – 01.15 PM	2 PM – 5 PM
02.11.2020 (Monday)	Girish R Visvanathan, Head, Technical R & D, Q Square Pvt Ltd, Singapore Design and Operation of Green and Smart Built Environment	Dr C Sabarinathan Head of the Department, Dept of Automobile Engineering, Hindusthan College of Engineering and Technology Digital Twin Technology Fundamental Aspects and its Functional Application in Automotive Industries	James Michael Amulu , Director – SAP, Digital Supply Chain Management
03.11.2020 (Tuesday)	Dr A Balaji Ganesh Dean (R&D), Vellammal Engineering College Cyber Physical System with Industry 4.0	Dr A Balaji Ganesh Dean (R&D), Vellammal Engineering College Cyber Physical System with Industry 4.0	A.S Ajay Kumar Founder – Cognibot Artificial Intelligence in Automation
04.11.2020 (Wednesday)	D. Sundarasekaran (Rtd. MLF) Professor, Dept of ECE Vellammal Institute of Technology PLC in Industrial Automation	D. Sundarasekaran (Rtd. MLF) Professor, Dept of ECE Vellammal Institute of Technology PLC in Industrial Automation	Dr. Shiena Shekhar, Professor, Head of the Dept., Dept of Mechanical Engineering Bhilai Institute of Technology (BIT); Essential Qualities for Excellency in Leadership
05.11.2020 (Thursday)	Dr P S Venkateswaran National Technical Manager ARK info solutions Pvt Ltd., Power of Digital Manufacturing for New Product Development	Dr P S Venkateswaran National Technical Manager ARK info solutions Pvt Ltd., Power of Digital Manufacturing for New Product Development	Dr.G. Mathivanan Professor, Dept of Information Technology Sathyabama Institute of Science and Technology Machine Learning in Mechanical Engineering Application



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06.11.2020 (Friday)	Dr. L. Chitra, Associate Professor Dept of EEE, Aarupadai Veedu Institute of Technology (AVIT) <i>Digital Twin for Process Control System</i>	Dr. G. Shanmugasundar Associate Professor/Mechanical Sri Sai Ram Institute of Technology <i>Design and Analysis of articulated inspection robots arm for Inspection in Industry 4.0</i>	Dr. S Ramesh Professor, Dept of Mechanical Engineering Presidency University <i>Digital Twin and its Impact in Industry 4.0</i>
07.11.2020 (Saturday)	Dr. P. Senthil Kumar Dept of Mechatronics, Bannari Amman Institute of Science and Technology <i>Intelligent Control for System Design</i>	Dr. P. Senthil Kumar Dept of Mechatronics, Bannari Amman Institute of Science and Technology <i>Intelligent Control for System Design</i>	<i>Validity, Test and Feedback</i>



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अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education

**DEPARTMENT OF MECHANICAL ENGINEERING
SCHOOL OF MECHANICAL ENGINEERING**

AICTE Sponsored Online STTP on
DIGITAL TWIN TECHNOLOGY FOR INDUSTRIAL AUTOMATION PROCESS
2nd to 7th NOVEMBER 2020 (Phase II)

CERTIFICATE OF PARTICIPATION

This is to certify that **MADHAN KUMAR G** of
..... **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY** has attended the
AICTE Sponsored 6 days online Short-Term Training Program (STTP) on **Digital Twin Technology for
Industrial Automation Process** (Phase – II) organized by the Department of Mechanical Engineering at
Sathyabama Institute of Science and Technology, Chennai during 2nd to 7th November 2020.

Dr.S.PRAKASH
PROGRAM COORDINATOR

Dr.T.SASIPRABA
VICE CHANCELLOR



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15. "Digital Twin Technology for Industrial Automation"

Dated: December 7th-12th, 2020 (Phase III)

 CHIEF PATRONS Dr. Mariazeena Johnson, B.E, M.B.A, M.Phil, Ph.D., Chancellor Dr. Marie Johnson, B.E, M.B.A, M.Phil, Ph.D., President PATRON Dr. T.Sasipraba, M.E, Ph.D., Vice Chancellor UNDER THE GUIDANCE OF Dr.E.Logashanmugam, Pro Vice Chancellor Dr. Wilson Aruni, Pro Vice Chancellor Dr. S.S. Rao, Registrar Dr. S. Igni Sabasti Prabu, Controller of Examinations Dr.G.Sundari, Director – Administration Dr.B.Sheela Rani, Director – Research Coordinator Dr.S.Prakash, Professor, Department of Mechanical Engineering Contact: +91 9940 390 301 dean.mechanical@sathyabama.ac.in Co-Coordinators Mr.Kaja Bantha Navas, Assistant Prof, School of Mechanical Engineering Contact: +91 9952 699 572 sumai244@gmail.com Mr.Nivin Joy, Assistant Prof, Department of Mechanical Engineering Program Monitoring Committee Dr T.Sasipraba, Vice Chancellor Dr S Prakash, Dean (School of Mechanical Engineering) Dr. G. Arunkumar, HOD (Department of Mechanical Engineering) Dr. P.Booma Devi, HOD (Department of Aeronautical Engineering) Dr P S Venkateswaran, National Technical Manager, ARK Info Solutions 	 AICTE Sponsored SIX DAYS ONLINE SHORT TERM TRAINING PROGRAM (STTP) ON DIGITAL TWIN TECHNOLOGY FOR INDUSTRIAL AUTOMATION PROCESS 7th DECEMBER to 12th DECEMBER 2020 (Phase – III) Organized By: SCHOOL OF MECHANICAL ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING  SATHYABAMA Institute of Science and Technology (Deemed to be University) Accredited with "A" grade by NAAC CHENNAI, INDIA www.sathyabama.ac.in
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Training Contents

- ◆ Digital Twin Technologies and the relevance of its Adoption Now
- ◆ Digital Twin –Basics & its Applications in Industry
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- ◆ Digital Twin Tools for Academic Research
- ◆ RF/ Wireless & EMI/EMC Consideration in Digital Twin Team center / Technomatrix / MCD Practical
- ◆ Demo & Case Study Automation Simulation for Digital Twin – PLC & Simulation tools

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Certificate

E certificates will be provided for the participants with 80 % attendance and above 50 % score in Assignments.

Registration is open at:

bit.ly/SathyabamaSITP-Phase3

Registration FREE

Registration limited to 60

First Come First Serve basis

IMPORTANT DATES

Last Date to Apply: **04.12.2020**

Intimation of Selection: **05.12.2020**

Confirmation by Participants: **06.12.2020**





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Date/Day/Sessions	9 AM – 11 AM	11.15 AM – 1.15 PM	2 PM – 5 PM
07.12.2020 (Monday)	Dr. Anand Nayyar, Professor, Duy Tan University, Da Nang, Vietnam Modern Digital Twins and Digital Twins Tools for Industrial Automation	Dr C Sabarinathan Head of the Department, Dept of Automobile Engineering, Hindustan College of Engineering and Technology Digital Twin Technology Fundamental Aspects and its Functional Application in Automotive Industries	James Michael Amulu , Director – SAP, Digital Supply Chain Management
08.12.2020 (Tuesday)	Dr A Balaji Ganesh Dean (R&D), Velammal Engineering College Cyber Physical System with Industry 4.0	Dr A Balaji Ganesh Dean (R&D), Velammal Engineering College Cyber Physical System with Industry 4.0	A.S Ajay Kumar Founder – Cognibot Artificial Intelligence in Automation
09.12.2020 (Wednesday)	Mrs. S.Ambika Senior Engineer R & D, CADD Technologies P Ltd, Bangalore PLC in Industrial Automation	Mr Aashik Rahman Co Founder and COE, Propeller Technology Industrial Robotics for Industry 4,0	Dr. G.Shanmugasundar Associate Professor/Mechanical Sri Sai Ram Institute of Technology Design and Analysis of articulated inspection robots arm for Inspection in Industry 4.0
10.12.2020 (Thursday)	Dr.R.Subhashini Professor, Head of the Department, Dept of IT, Sathyabama Institute of Science and Technology Machine Learning in Engineering Application	Dr. L. Chitra, Associate Professor Dept of EEE, Aarupadai Veedu Institute of Technology (AVIT) Digital Twin for Process Control System	Dr. S Ramesh Professor, Dept of Mechanical Engineering Presidency University Digital Twin and its Impact in Industry 4.0



SATHYABAMA

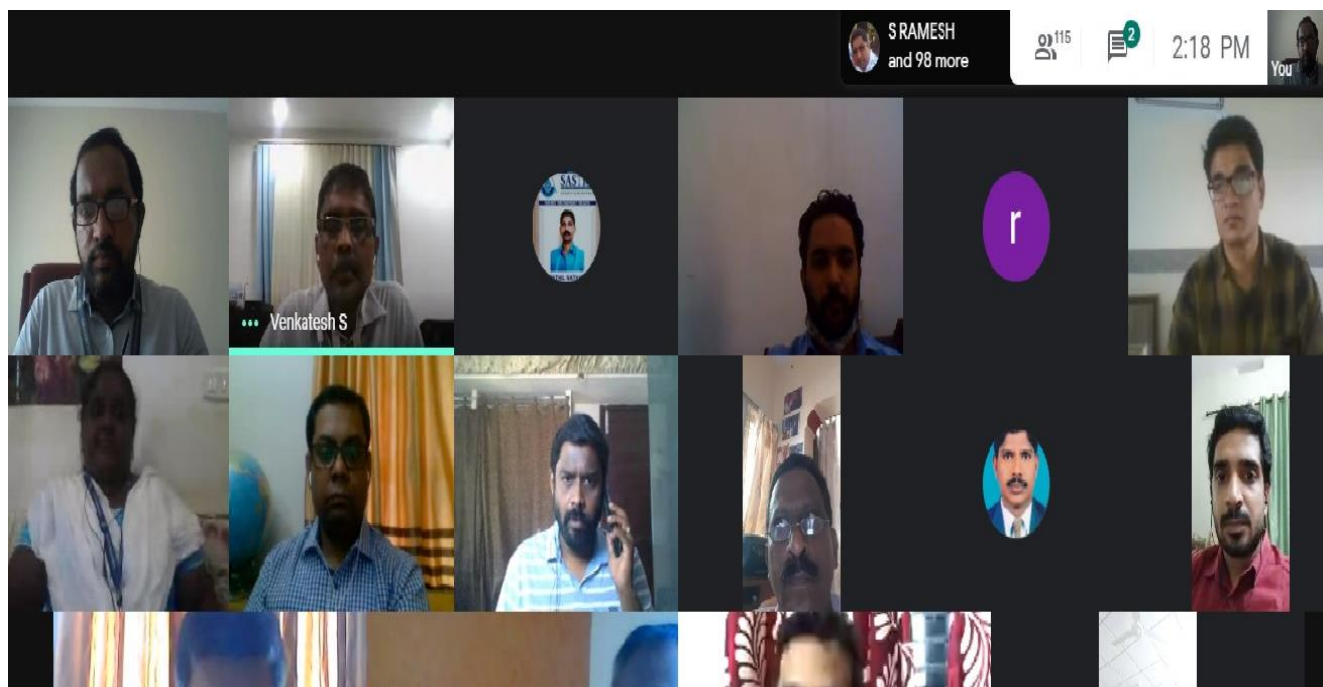
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11.12.2020 (Friday)	Dr. P. Senthil Kumar Dept of Mechatronics, Bannari Amman Institute of Science and Technology <i>Intelligent Control for System Design</i>	Dr. P. Senthil Kumar Dept of Mechatronics, Bannari Amman Institute of Science and Technology <i>Intelligent Control for System Design</i>	Dr. Shiena Shekhar, Professor, Head of the Dept., Dept of Mechanical Engineering Bhilai Institute of Technology (BIT); <i>Essential Qualities for Excellency in Leadership</i>
12.12.2020 (Saturday)	Dr. Anand Nayyar, Professor, Duy Tan University, Da Nang, Vietnam <i>Transformation of Traditional Industries to Smart Factories of Future</i>	Dr. Anand Nayyar, Professor, Duy Tan University, Da Nang, Vietnam <i>Digital Twin Technology and Case Studies in Real World</i>	Validity, Test and Feedback



Delegates in Group Photo



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16. 3D Printing and Additive Manufacturing for Industrial and Biomedical Application

Dated: 24/08/2020 to 28/08/2020

The School of Bio and Chemical engineering and the school of Mechanical Engineering has conducted a professional training program on title: **3D Printing and Additive Manufacturing for Industrial and Biomedical Application on 24/08/2020 to 28/08/2020**. One of the innovations brought forth by the industrial period is 3D printing technology. It has been a part of our life for a long time. It is quickly evolving and employed in a variety of industries, including the aviation and defense sectors. In recent years, the medical industry has frequently preferred this miraculous production technique. This paper introduces 3D printer technology, discusses various 3D printing techniques, and refers to the usage of this technology in biomedical applications. The applications of 3D printing in surgery, the pharmaceutical industry, disease modeling, the creation of custom implants and prostheses, organ printing, veterinary medicine, and tissue engineering have been discussed, and this new technique has been contrasted with conventional methods that are currently used in the biomedical field. Additionally, this paper explores potential future directions.



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CHIEF PATRONS

Dr. Mariazeena Johnson, B.E, M.B.A, M.Phil, Ph.D.,

Chancellor

Dr. Marie Johnson, B.E, M.B.A, M.Phil, Ph.D.,

President

PATRON

Dr. T.Sasipraba, M.E, Ph.D.,

Vice Chancellor

UNDER THE GUIDANCE OF

Dr.E.Logashanmugam, Pro Vice Chancellor

Dr. Wilson Aruni, Pro Vice Chancellor

Dr. S.S. Rao, Registrar

Dr. S. Igini Sabasti Prabu, Controller of Examinations

Dr.O.Sundari, Director – Administration

Dr.B.Sheela Rani, Director – Research

Coordinator

Dr.S.Prakash, Professor, Department of Mechanical Engineering

Contact: +91 99940 390301

Co-Coordiators

Mr.Nivin Joy, Assistant Prof, Department of Mechanical Engineering

Mr.Kaja Bantha Navas, Assistant Prof, School of Mechanical Engineering

Mrs.K.R.Kavitha, Assistant Prof, Department of Mechanical Engineering

For any clarifications Contact: kaviraghu07@gmail.com

Mrs.P.Sivashankari, Assistant Prof, Department of Mechanical Engineering

Dr.R.B.Durairaj, Assistant Prof, Department of Mechanical Engineering

For any clarifications Contact: +91 73055 33500



AICTE Training and Learning (ATAL) Academy

Sponsored FDP

ON

**3D PRINTING AND
ADDITIVE MANUFACTURING FOR
INDUSTRIAL AND BIO MEDICAL APPLICATION**

24th AUGUST to 28th AUGUST 2020

Organized By:

**CENTRE OF EXCELLENCE FOR COLLABORATIVE PRODUCT
DESIGN AND DEVELOPMENT (CPDD Centre)
DEPARTMENT OF MECHANICAL ENGINEERING**



SATHYABAMA

Institute of Science and Technology

(Deemed to be University)

Accredited with "A" grade by NAAC

CHENNAI, INDIA

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About ATAL FDP on 3D Printing

This Five-day faculty development program under the ATAL scheme of AICTE is designed in such a way that the participants will gain an idea about 3D printing and its applications in various fields. Handled by experts in the field of 3D printing, this FDP is sure to give participants the ability to handle different types of 3D printing technology in an application-oriented manner.



Topics to be Covered

♦ Technology overview of additive and subtractive manufacturing.	♦ Model generation methods and CAD data processing techniques
♦ Additive manufacturing technologies	♦ Additive manufacturing processes, systems and materials
♦ Computational Geometry	♦ Additive manufacturing of precision components in plastics, metals, bio-materials and quality control issues.
♦ Reverse Engineering	♦ Aerospace, defense, Bio medical, automobile applications of additive manufacturing technologies
♦ Concurrent Engineering and DFM	
♦ Design for Additive Manufacturing	
♦ Recent advances and scope for research in rapid manufacturing technology	
♦ 3D printing in packaging – software	

Course Outcome

- ♦ Enhance the effectiveness in prototyping creation for early stage design checking and post 3D design
- ♦ Able to handle different types of 3D printing technology; FDM and Polyjet, and apply in work.

Eligibility

Faculties, Research Scholars & PG Scholars from AICTE approved Technical Institutions and Participants from Industry can apply.

Certificate

Participants who attend the programme with minimum 80% attendance will be issued Certificate by the All India Council for Technical Education (AICTE) Training And Learning (ATAL) Academy, provided they score minimum 60% marks in the online test conducted at the end of the programme. The participants also have to provide Compulsory online Feed-back on the last day of FDP.

Registration is open at:
www.aicte-india.org/atal
Registration FREE
Registration limited to 200
First Come First Serve basis

IMPORTANT DATES

Last Date to Apply: **20.08.2020**
 Intimation of Selection: **21.08.2020**
 Confirmation by Participants: **22.08.2020**





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AICTE Training and Learning (ATAL) Academy Sponsored FDP on 3D PRINTING AND ADDITIVE MANUFACTURING FOR INDUSTRIAL AND BIO MEDICAL APPLICATION

24th AUGUST to 28th AUGUST 2020

FDP SCHEDULE

24.08.2020 – 9.30 AM to 10.00 AM – Inauguration.

Inauguration Guest Speaker: Dr. I.A.Palani (Dean, R & D), IIT, Indore.

Date	10:00 AM to 11:30 AM	11.45 AM to 1.15 PM	2:00 PM to 3.30 PM
24.08.2020 (Monday)	Session 1 Dr P S Venkateswaran National Technical Manager ARK info solutions Pvt Ltd., Chennai Power of Digital Manufacturing for New Product Development	Session 2 Mr. Rizwan (Manager) Designtech System Pvt Limited Additive Manufacturing Technologies for Innovative Product Development	Session 3 Mr. Rizwan (Manager) Designtech System Pvt Limited Medical Application of 3 D Printer with STRATASYS Multi Material A M Technologies
25.08.2020 (Tuesday)	Session 4 Dr. T. Rajasekaran Professor, SRM University State of the art 3 D Printing of Polymer Composites	Session 5 Dr P S Venkateswaran National Technical Manager ARK info solutions Pvt Ltd., Chennai 3D Printer with Medical Application	Session 6 Dr P S Venkateswaran National Technical Manager ARK info solutions Pvt Ltd., Chennai 3 D Printer (Virtual Demo)
26.08.2020 (Wednesday)	Session 7 Dr. Ganesh Kumar Nithyanandam Professor, PSG Tech Usage of 3 D Printing in Industry 4.0	Session 8 Mr. Prathap (Manager) Designtech System Pvt Limited Additive Manufacturing in Product Design and Manufacturing	Session 9 Dr. Shiena Shekhar, Professor, Bhilai Institute of Technology (BIT), Bhilai Valuation of Surface Durability of Sand Casting Tooling for FDM Process
27.08.2020 (Thursday)	Session 10 Mr. Daniel (Director) Delta Rapid 3 D Industrial 3D Printing - Additive Manufacturing Adaption in Aerospace, Defense & Medical Tooling	Session 11 Mr. Daniel (Director) Delta Rapid 3 D Industrial 3 D Printing - Additive Manufacturing Adaption in Education and R & D	Session 12 (AICTE – Compulsory Session) Dr. Janani Rex Motivational Speaker Emotional and Mental Development to Face the Current Phase
28.08.2020 (Friday)	Session 13 Dr. I.A.Palani (Dean R & D) IIT, Indore Functional Materials for 3D Printing (Macro to Micro)	Session 14 Mr PradeepKumar Chief Consultant Engineer Zillion RPM Labs Role of 3 D Printer in Pattern Making in Various Industries	Session 15 Test and Feed Back Session



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No: ATAL/2020/1597396572



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training And Learning (ATAL) Academy

Certificate

This is certified that **S. Sivasaravanan**, Associate Professor of Sathyabama Institute of Science and Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online FDP on "3D Printing & Design"** from **2020-8-24 to 2020-8-28** at Sathyabama Institute of Science and Technology.

Director ATAL Academies



Coordinator



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17. Administrative Capacitive Building

Dated: 4/01/2021 to 9/01/2021

IQAC ran a faculty development programme on building administrative capacity from January 4 to January 9, 2021. By strengthening the faculty's administrative capacity like leadership, problem-solving skills, crisis management and the ability to open doors for others was the special session of the program. It was successful in empowering them. The event benefited 346 attendees from across the city and featured eminent figures from many walks of life as the resource person.

The poster features the Sathyabama Institute of Science and Technology logo at the top, followed by the text "SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE A UNIVERSITY) Accredited with 'A' grade by NAAC www.sathyabama.ac.in". Below this is the title "WORKSHOP ON ADMINISTRATIVE CAPACITIVE BUILDING" and "Organized by INTERNAL QUALITY ASSURANCE CELL (IQAC)". A 3D bar chart with five bars of increasing height is shown. At the bottom, a dark blue banner contains the text "DATE: 4.01.2021 - 9.1.2021 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY". Below the banner, the word "PATRONS" is written in a purple box. The names and titles of the patrons are listed: Dr. Mariazeena Johnson (Chancellor), Dr. Maria Johnson (President), and Dr. T. Sasipraba (Vice Chancellor).

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WORKSHOP ON
**ADMINISTRATIVE CAPACITIVE
BUILDING**
Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

DATE: 4.01.2021 - 9.1.2021 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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18. FACULTY DEVELOPMENT PROGRAMM FOR ADVANCED MACHINING TECHNIQUES

Dated: 22/06/2020 to 27/06/2020

Report

A faculty development program for Advance Machining Techniques program is by Organized by School of Mechanical Engineering, Department of Mechatronics Engineering, Sathyabama Institute of Science and Technology from 22/06/2020 to 27/06/2020. The course delivered complete machining technologies for industrial automations manufacturing and applications was taught to the participants.

SATHYABAMA
MECHANICAL
FDP SERIES

6 DAY FACULTY DEVELOPMENT PROGRAMME ON
ADVANCED MACHINING TECHNIQUES

Organized By:
DEPARTMENT OF MECHANICAL ENGINEERING
SCHOOL OF MECHANICAL ENGINEERING
in association with

INDIAN INSTITUTION OF
PRODUCTION ENGINEERS (IIPE)

22nd to 27th JUNE 2020

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University)
Accredited with Grade "A" by NAAC | Approved by AICTE
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600119, Tamil Nadu, India
www.sathyabama.ac.in



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6 DAY FACULTY DEVELOPMENT PROGRAMME ON

ADVANCED MACHINING TECHNIQUES

DATE	TIME	TOPIC	SESSION HANDLED BY	
22 nd JUNE	10.45 – 10.50 AM	Welcome Address	Dr.S.Prakash, Dean, School of Mech	
	10.50 – 11.00 AM	Inaugural Address	Dr.D.Thirunakkarasu, Chairman,IIPE TN Chapter	
	11.00 – 12.15 PM	MICRO MACHINING		Dr.G.L.Samuel Professor Dept of Mechanical Engg IIT Madras
23 rd JUNE	10.00 – 11.00 AM	ROBOTS IN MANUFACTURING		Mr.Sriram Nagarajan Founder & CEO, RoboRAM
24 th JUNE	10.00 – 11.00 AM	HYBRID ADDITIVE SUBTRACTION MANUFACTURING PROCESS DEVELOPMENT		Dr.Sathyan Subbiah Associate Professor Dept of Mechanical Engg IIT Madras
25 th JUNE	10.00 – 11.00 AM	INTELLIGENT MACHINING		Dr.Ramesh S Professor in Mechanical Engg Presidency University, Bengaluru
26 th JUNE	10.00 – 11.00 AM	ADVANCED MANUFACTURING: AN INDUSTRIAL OUTLOOK		Mr. Ramani Balakrishnan General Manager, GM Pens International Pvt Ltd. Secretary IIPE, TN Chapter
27 th JUNE	10.00 – 11.00 AM	MACHINING OF POLYMER COMPOSITES		Dr. T. Rajasekaran Professor and Deputy Head Mechanical Engg SRMIST, Kattankulathur
	11.00 – 11.05 AM	Concluding Address	Dr.G.Arunkumar, HOD, Department of Mech	

REGISTRATION FREE | E CERTIFICATE WILL BE ISSUED

Zoom Link for sessions will be sent through Email

Register at: bit.ly/MachiningFDP

Last date to register: 20.06.2020

PATRONS Dr.Mariazeena Johnson Chancellor Dr.Marie Johnson President		FDP CHAIR Dr.S.Prakash Dean, School of Mechanical Engineering Dr.G.Arunkumar HOD, Department of Mechanical Engg	
CONVENER Mr.Nivin Joy Asst Prof, Mech nivinjoy@gmail.com 988 484 3539		CO-CONVENER Dr.J.Jayaprabakar Asso Prof, Mech jp21tn@gmail.com 999 406 9306	



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List of staff members Participated

Sl.No	Name of the staff	Designation	Institutions
Sl.No	Name of the staff	Designation	Institutions
1.	Dr.B.Kanimozhi	Professor	Sathyabama Institute of Science and Technology Chennai
2.	Dr.M.Sangeetha	Associate Professor	Sathyabama Institute of Science and Technology Chennai
3.	Dr.S.Sivasaravanan	Associate Professor	Sathyabama Institute of Science and Technology Chennai
4.	Mr.J.Senthil Kumar	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
5.	Mr.Jayaprakash	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
6.	Mr.Deepack	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
7.	Dr.Jayaprabhakar	Associate Professor	Sathyabama Institute of Science and Technology Chennai
8.	Dr.S.Ganesh	Associate Professor	Sathyabama Institute of Science and Technology Chennai
9.	Dr.G.Senthil Kumar	Associate Professor	Sathyabama Institute of Science and Technology Chennai
10.	Dr.S.P Ventatesan	Associate Professor	Sathyabama Institute of Science and Technology Chennai
11.	Mr.Madhankumar	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
12.	Mr.Gukul Nath	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
13.	Mr.DilipSahoo	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
14.	Dr.A Karthikeyan	Professor	Sathyabama Institute of Science and Technology Chennai
15.	Dr.Durai Raj	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
16.	Dr.J.lilly mercy	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
17.	Mr.Sriram	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
18.	Mr.Purusothaman	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
19.	Mr.Siva	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
20.	Mr Yuvaraj	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
21.	Mr Gunasekar	Assistant Professor	Sathyabama Institute of Science and Technology Chennai



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19. Progress from Project to Patent FDP

Dated: 06.10.2020 to 12.10.2020

A patent is the granting of a property right by a sovereign authority to an inventor. This grant provides the inventor exclusive rights to the patented process, design, or invention for a designated period in exchange for a comprehensive disclosure of the invention.

Keeping the above thought for inculcating in young minds to equip them in their professional practice, Sathyabama TBI, Centre for Ocean Research, Department of Mechanical Engineering and The Institution of Engineers (India) Kanchipuram Local center organized a 6 days FDP on “Progress from Project to Patent” from 6th October to 12th October 2020. The topics include introduction to Project to Patent, Patent Drafting, Trademarks & Copyrights and PCT Application. Very great response was noticed from the students and the program was highly interactive.



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Col. Dr. JEPPIAAR RESEARCH PARK



SATHYABAMA - TBI
(Supported By NSTEDB - DST)



In Association With



CENTRE FOR OCEAN RESEARCH
(DST - FIST Sponsored Centre)

DEPARTMENT OF MECHANICAL ENGINEERING

&

THE INSTITUTION OF ENGINEERS (INDIA)
Kanchipuram Local Centre



6 Days Virtual Faculty Development Programme on

Progress from Project to Patent



6th - 12th OCT 2020

Project to Patent



Dr. L. STANLEY ABRAHAM
Scientist - E & IPR Cell
Centre for Ocean Research, SIST
6.10.2020 (5 - 6.30 pm)

Patent Drafting



Ms. P. ILANANGAI
Patent Agent
7 - 9.10.2020 (3 days)
(5 - 6.30 pm)

Trademarks & Copyrights



Ms. SINDUJA
Advocate & IP Consultants,
Entrada Legal
10.10.2020 (5 - 6.30 pm)

PCT Application



Shri. R. RAJINI
Asst. Controller,
Indian Patent Office, Chennai
12.10.2020 (4 - 5.30 pm)

PATRONS :

Dr. Mariazeena Johnson, Chancellor
Dr. Marie Johnson, President
Dr. T. Sasipraba, Vice Chancellor

ORGANIZING SECRETARY :

Dr. B. Sheela Rani, Director (Research)

PROGRAMME COORDINATORS :

Dr. S. Seshadri, Advisor, TBI
Dr. S. Prakash, Dean, School of Mech. Engg
Dr. G. Arunkumar, Head, Dept. of Mech. Engg

CONVENERS :

Dr. L. Stanley Abraham, Scientist - E, COR
Mr. S. Kishore Kumar, Manager- TBI
Mr. S. Lakshmi Sankar, A.P., Dept. of Mech. Engg

CO- CONVENERS :

Dr. D. Inbakandan, Head & Scientist - E, COR
Dr. V. Ganesh Kumar, Scientist - E, COR

Registration Link : <https://tinyurl.com/y3m8996f>

Registration Fee : Rs. 500/-

Last date for Registration : 5. 10. 2020



Further Details Contact:

98841 63903

98416 58827

E- Certificate will be issued upon successful completion of the programme



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20. Recent advancements in Chemical Environmental Engineering

Dated: 6/08/2020 to 12/08/2020

The Department of Chemical Engineering of Sathyabama Institute of Science and Technology Organizes one-week online FDP on "Recent advancements in Chemical and Environmental Engineering" from 6th August 2020 to 12th August 2020. This FDP was planned to introduce emerging research areas in chemical engineering science. The workshop consisted of overview lectures on recent advances in Complex Fluids, Bio-systems and Biomaterials Engineering, Nano –science and Nano-Materials Engineering, Process Systems Engineering and Reaction Engineering and Separation Processes. Also, an informal interaction session was organized with research scholars in the department to acquaint the participants to the research culture in the department.



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DEPARTMENT OF CHEMICAL ENGINEERING SCHOOL OF BIO AND CHEMICAL ENGINEERING

Organising Faculty Development Programme on "Recent Advancements in Chemical and Environmental Engineering"

Date: 06.08.2020 to 12.08.2020 Time 4.00 p.m-5.00 p.m | ZOOM MEETING



Experimental and mathematical modelling in chemical and environmental engineering

Dr.N.Selvaraju

Associate Professor,
Department of Chemical Engineering,
Indian Institute of Technology, Guwahati
DATE : 06.08.2020 , TIME : 4 p.m to 5 p.m



Introduction to carbon nano materials and their applications in Chemical and Environmental Engineering

Dr.Chennakesavulu

Associate Professor,
Department of Chemistry,
Sathyabama Institute of Science and Technology,
Chennai.
DATE: 10.08.2020 , TIME : 4 p.m to 5 p.m



Recent nano applications in Chemical and Environmental Engineering

Dr.M.Rajasimman

Associate Professor,
Department of Chemical Engineering,
Annammal University,
Chidambaram
DATE : 07.08.2020 , TIME : 4 p.m to 5 p.m



Application of software tools in chemical process industries

Dr.B.S.Naveen Prasad

Associate Professor,
Department of Chemical Engineering,
Salalah College of Technology,
Oman
DATE : 12.08.2020 , TIME : 4 p.m to 5 p.m



Advanced Simulation studies in chemical Process industries using Aspenhysys

Dr. Saravanan Kumar. K

Assistant Professor,
Department of Engineering,
Ministry of Higher Education,
College of Applied Sciences- Sohar,
Sultanate of Oman
DATE : 08.08.2020 , TIME : 4 p.m to 5 p.m

No registration fees

E-Certificate will be provided

Registration link
<https://forms.gle/9GG3L6c1tdisoQZ8>

Zoom id & password
Id : 97917966567
Password : chem

FOR DETAILS CONTACT : Dr. JARAVIND KUMAR (8072253830)

PATRONS

Dr. MARIAZEENA JOHNSON, B.E., M.B.A., B.L., Ph.D.,
CHANCELLOR

Dr. MARIE JOHNSON, B.E., M.B.A., B.L., Ph.D.,
PRESIDENT

Dr. T. SASIPRABA, M.E., Ph.D.,
VICE CHANCELLOR

Dr. WILSON ARUNI, FAMPV
PRO VICE CHANCELLOR

CONVENOR

Mr. D. VENKATESAN , Assistant professor
Dr. J. JARAVIND KUMAR , Assistant Professor

ORGANIZING MEMBERS

Dr. S. SATHISH , Head of the Department
Dr. D. PRABHU , Head of the Department

Dr. D. KISHUJ AMARNATH , PROFESSOR
Dr. A. ANNAM RENITA , PROFESSOR



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21. Historical perspectives and recent innovative trends in chemical engineering – IPR

Dated: 15th March 2021 to 19th March 2021

The Department of Chemical Engineering OF Sathyabama Institute of Science and Technology Organizes one-week online FDP on **“Historical perspectives and Recent Innovative Trends in Chemical Engineering-IPR” from 15th March 2021 to 19th March 2021**. The main goal of “Historical perspectives and recent innovative trends in Chemical Engineering – IPR” FDP is to give awareness & protection of IPR, what is the purpose of Patents and Recent developments in Patent Procedures in the field of chemical engineering. The eminent speakers Dr. Wilson Aruni, Pro Vice Chancellor, Sathyabama Institute of Science and Technology, Dr. A. Balagi Ganesh, Professor, Velammal Engineering College, Dr.Kishore Sonti, Associate Professor & Co-Ordinator, Institution Innovation Council, Mr.T.Karthikeyan, Founder PatSpace IP Services Patent filing, Drafting and Analysis, Dr. S. Gokul Raj, Professor of Physics, C Kandaswami Naidu College for Men, Chennai. Dr.Dilshad Shaik, Dean, School of Law, Sathyabama Institute of Science and Technology provides a depth knowledge on fundamental background on Intellectual properties which include Patents, Copyrights, Designs, Trademark etc. The participants would understand how to make use of the technology transfer offices within the Institute, to protect and commercialize IP generated through research. Participants would also be given information on their own rights and responsibilities regarding IP generated through their own research. Experts would also be discussing on various commercialization options available for technology innovations from academic researchers.



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ABOUT SATHYABAMA

Sathyabama Institute of Science and Technology (A Christian Minority Institution) was established in 1987 by Col. Dr. Jeppiaar. It is a premier institute imparting knowledge in the areas of engineering, science, technology and education. The institution's progress and contribution to the field of technical education for over three decades resulted in granting Deemed University status on 16th July, 2001. The Institute has been awarded as Category "A" University by Ministry of Human Resources Development (MHRD), Government of India and accredited by NAAC with Grade "A" in the year 2017, certified with DNV-GL ISO 9001 standard and offering exemplary education from last 32 years. Sathyabama has a good presence in rankings and ratings at National and International level. Our motto is "TOGETHER FOR BETTER TOMORROW" and our mantra of Success is "LEARN TODAY and LEAD TOMORROW".

ABOUT DEPARTMENT

The department of chemical engineering was established in the year 1995 with introduction to Research programs in 2002. The department has undertaken various sponsored and collaborative research development projects funded by IGCAR, ISRO & MNRE. Our mission is to drive excellence in chemical engineering education and training thereby lead to create a common platform for connecting academic and industry in the exchange of knowledge. Impart knowledge to students at all levels through a vibrant dynamic and state of the art intellectual delivery to ensure the creation of complete chemical engineer with a high sense of social responsibilities and professional ethics. Synergise the efforts of the students and the faculty to evolve innovation engineering practices and teaching methodologies and generate an environment of continuous learning and research.

ABOUT FDP

The main goal of "Historical perspectives and recent innovative trends in Chemical Engineering – IPR" FDP is to give awareness & protection of IPR. What is the purpose of Patents and Recent developments in Patent Procedures in the field of chemical engineering.

CHIEF PATRONS

Dr. MARIAZEENA JOHNSON,

B.E, MBA, M.Phil, Ph.D

CHANCELLOR

Dr. MARIE JOHNSON,

B.E, MBA, M.Phil, Ph.D

PRESIDENT

Ms. MARIA BERNADETTE TAMILARASI

JOHNSON

VICE PRESIDENT

ADVISORS

Dr. T.SASIPRABA, M.E., Ph.D.,

VICE CHANCELLOR

Dr. S.S. RAO, M.B.A., Ph.D.,

REGISTRAR

Dr. E. LOGASHANMUGAM, M.E., Ph.D.,

PRO VICE CHANCELLOR

CONVENOR

Dr. WILSON ARUNI, Ph.D., FAMPV.

PRO VICE CHANCELLOR

ORGANISING SECRETARIES

Dr. S. SATHISH, M.E., Ph.D.,

HOD, CHEMICAL

Dr. D. PRABU, M.S., Ph.D.,

Associate Professor

5 Day FDP

On

**"HISTORICAL PERSPECTIVES
AND RECENT INNOVATIVE
TRENDS IN CHEMICAL
ENGINEERING – IPR"**

In Association with



15th - 19th March 2021

Organized

By

**DEPARTMENT OF CHEMICAL
ENGINEERING**

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22. Internet of things and its applications

Dated: 11th June 2020

Department of Electrical and Electronics Engineering conducted a webinar on Internet of Things and its Applications on 11th June 2020. This webinar dealt with the basics of IOT and briefed about the stands, frame work and applications of IOT. The program emphasized on Internet of things and its Applications, Application of Artificial Intelligence on Renewable energy, Emerging Trends in Industrial Automation.



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SCHOOL OF ELECTRICAL AND ELECTRONICS

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Organizes Live Webinar on

INTERNET OF THINGS AND ITS APPLICATIONS

Date: 11th June 2020 at 9.00 AM IST



Dr.V.Karthikeyan
Dept. of Electrical Engineering, NIT, Calicut

Registration Link: <https://forms.gle/uiA3cqvwASAE1DA>

No Registration Fee
E- Certificate will be provided
Link for joining the session will be shared through the registered e - mail

Conveners
Dr.N.M.Nandhitha, Prof. & Dean
Dr.V.Sivachidambaramanathan, Prof. & Head



Organizers
[Dr.D.Godwin Immanuel, Asso. Prof.](#)
[Dr.S.D.Sundarsingh Jebaseelan, Asso. Prof.](#)
[Mrs.D.Ramya, Asst. Prof.](#)
[Mrs.A.Santhimary Antony, Asst. Prof.](#)

Contact us: godwinimmanuel.eee@sathyabama.ac.in / sundarsingh.eee@sathyabama.ac.in
ramya.eee@sathyabama.ac.in / shanthimary.eee@sathyabama.ac.in
Mobile no.: 9840862834 / 7401127383 / 9566099604 / 7358007774



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23. Application of Artificial Intelligence on Renewable energy

Dated: 24th June 2020

Department of Electrical and Electronics Engineering in association with Imperial Society of Innovative Engineers organized a webinar on Application of Artificial Intelligence on Renewable energy on 24th June 2020. This webinar mainly focused on the long term impact of Artificial Intelligence

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NAAC | NIRF | NBA | QS WORLD UNIVERSITY RANKINGS | QS STARS

SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING
In Association with
Imperial Society of Innovative Engineers

LIVE WEBINAR REGISTER isiindia.com

APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) ON RENEWABLE ENERGY 24.06.2020 at 6 PM

BY DR. BRIJESH SINGH
B Tech (EE), M Tech (Power Systems), Ph.D. (IIT-BHU)
SMIEEE, MIEEE-PES, MIEEE-IAS, MIEEE-YP, MIEEE-SC, MIEEE-SGC, MIEEE-SIGHT
Member ExComm, IEEE Uttar Pradesh Section
Member ExComm, IEEE PES/IAS Joint Chapter Uttar Pradesh Section

Conveners
Dr.N.M.Nandhitha, Prof & Dean
Dr.V.Sivachidambaranathan, Prof & Head / EEE

Co-conveners
Dr.E.Annie Elisabeth Jebaseeli, Associate professor/EEE -7904950942
Dr.D.Susitra, Associate professor/EEE - 988720170
Mrs.R.Meena devi, Asst.prof / EEE - 8939442815



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24. Emerging Trends in Industrial Automation

Dated: 19th April 2021 to 24th. April 2021

Department of Electrical and Electronics Engineering in association with Department of Computer Science & Engineering and Electronics and Instrumentation Engineering organized AICTE sponsored skill and personality development programme on 19th April 2021 to 24th. April 2021. This programme mainly focused about the sectors like Time Management, communication, work ethic, leadership, personal responsibility, and listening which enables them to fit in/at a workplace.



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DEPARTMENT OF CSE, EEE & EIE
Organizes
AICTE SPONSORED SKILL AND PERSONALITY DEVELOPMENT PROGRAMME
on
EMERGING TRENDS IN INDUSTRIAL AUTOMATION



Dr. SURESH K. HANDMAN
Professor, E & I
Baswell Engineering College,
Day 1: Introduction to Transistors
and Feedback Elements of
Discrete and IC Systems



Dr. DEVADASAN
Associate Professor, EIT
Sathyabama Institute of
Science and Technology
Day 1: Introduction to ICs



Mrs. R. RAGINI
Associate Professor, E&I
Baswell Engineering College
Day 2: PCB Design Automation
Tools



Dr. UMADSWARI
Associate Professor, CSE
SRM Institute of Science and Technology,
Day 3: Soft and Data Applications



Mr. D. JEYA KUMAR
System Architect,
Kosmos, South Korea
Day 3: Industrial Automation
Using IoT



Ms. S. PURNIMA
Assistant Professor, CSE
SRM Institute of Science and Technology,
Day 4: Smart Home Security Using IoT

19.04.2021 TO 24.04.2021
1:30 PM - 2:30 PM
Register @ <https://forms.gle/Hm3reVzGtDBVarr48>

Conveners: Dr. T. Sasikala, Dean, School of Computing Dr. N. M. Nandhitha, Dean, School of EEE ORGANIZERS: Dr. Nancy Paul Selvam, Associate Professor, CSE Dr. Viji Anuska Mary, Associate Professor, CSE Dr. L.K. Jothika Grace, Associate Professor, CSE Dr. P. Aasha, Associate Professor, CSE COORDINATORS: Ms. Anura Rani, Associate Professor, E & I Dr. W. Abitha Menais, Associate Professor, EEE	Member Secretary: Dr. Y. Swarnalatha, Dean Higher Studies Members: Dr. L. Lakshmanan, Head, Dept. of CSE Dr. T. Ravi, Head, Dept. of ECE Co Convener: Dr. V. Sivachimabaranathan, Head, Dept. of EEE Dr. S. Lalithakumari, Associate Professor, EIE	Patrons: Dr. Mariazeena Johnson, Chancellor Dr. Marie Johnson, President Ms. Maria Bernadette Tamilarasi Johnson Vice President Dr. T. Sasipraba, Vice Chancellor
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25. Pedagogy for Outcome Based Education

Dated: 19/01/2021 to 21/01/2021

The IQAC organized Pedagogy **for Outcome Based Education on 19/01/2021 to 21/01/2021**. A system known as outcome-based education organizes each component of education around a set of objectives known as outcomes. By the time they finish their education, students should have accomplished their objective was given more emphasized in the program. All pupils should be able to accomplish their objectives throughout the educational process. It focuses on using results to gauge student success. The OBE maps and evaluates pupils' progress at each stage. Through the growth of students' knowledge and abilities, the OBE model seeks to maximize learning outcomes for students. The outcome-based education system, also known as standard-based education, has succeeded in assisting institutions in measuring their learning outcomes while also enabling students to acquire new skills that would help them stand out from their peers on a worldwide scale.



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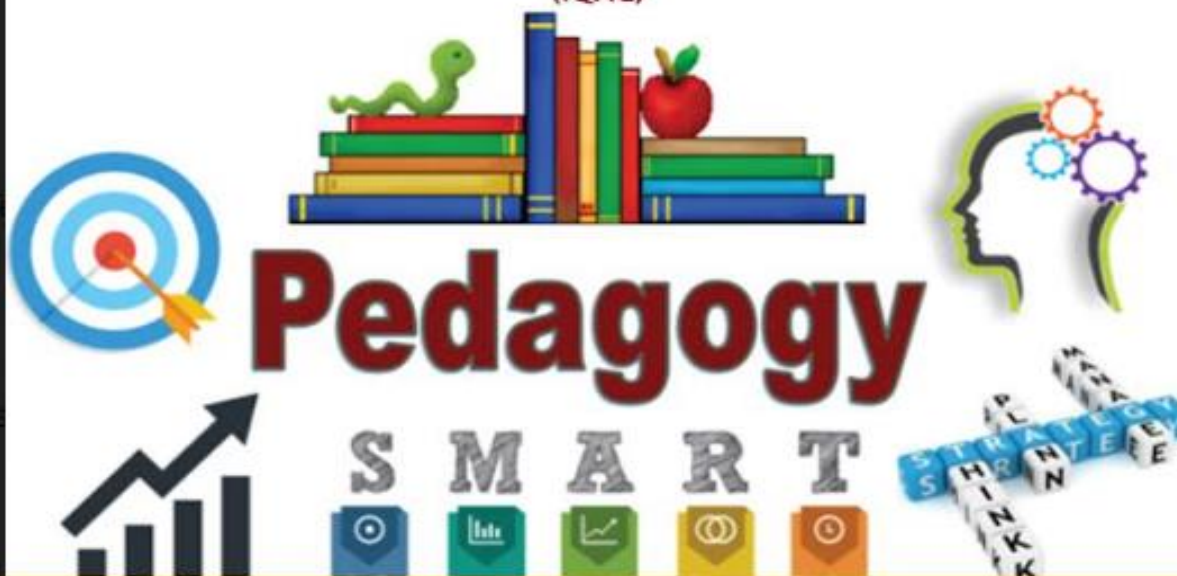
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FDP on PEDAGOGY FOR OUTCOME BASED EDUCATION

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)



DATE: 19/1/2021 TO 21/1/2021 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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26. FDP on Design Thinking

Dated: 08.03.2021 to 10.03.2021

Department of computer science had conducted an event on the topic '**FDP on Design Thinking**' on 08.03.2021 to 10.03.2021. Design Thinking is Human-centered problem-solving tool which emphasize on Empathy, Collaboration, Concretion and Stakeholder feedback to unlock Creativity and Innovation, which devises feasible and viable Big Idea/solutions. 45 staff members participated in this event and gained knowledge base creation in academia and the event went successful.



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SCHOOL OF COMPUTING

ORGANISES

FACULTY DEVELOPMENT PROGRAMME

ON

DESIGN THINKING

Register Here



 Mar 8-10, 2021  06:00 PM - 7:00 PM

 zoom meetings

CHIEF PATRONS

Dr.Mariazeena Johnson, Chancellor
Dr.Marie Johnson, President
Mr. J. Arul Selvan, Vice President
Mrs. Maria Bernadette Tamilarasi, Vice President
Ms. Maria Catherine Jayapriya, Vice President

Resource Person



Dr.K.Pushpanathan,
M.E, Ph.D.,
Director, TIAS Energy Pvt Ltd,

Faculty Co-Ordinators

Dr.Srinivasan, Assoc. Professor, Dept. of CSE
Dr.Praveen, Assoc. Professor, Dept. of CSE
Dr.Prem Jacob, Assistant professor, Dept. of CSE



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27. UHV Sensitization Program

Dated: 12.03.2021

UHV, the universal human values are a great initiative by the AICTE for the engineering communities. The program teaches the moral values for goodness living. It gives harmony in the society. The program was organized by the department of Computer Science Engineering with IQAC in accordance with the Mandram Society. The Mandram Society CEO Mr. Shivakumar, gave a wonderful lecture for all the teaching staff of our department towards improving the efficiency and moral values. The duration of the workshop is a one day program organized on 12.03.2021. Many of our teaching staff members had utilized the program. It's a great effect by the management towards our teaching society. Based on this program many staff members joined the UHV program offered by AICTE and in turn many students will be benefitted.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY



SCHOOL OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Patrons
Dr. Mariazeena Johnson, Chancellor
Dr. Marie Johnson, President
Ms. Marie Bernadette Tamilarasi Johnson, Vice President
Dr. T. Sasipraba, Vice Chancellor

Coordinators
Dr. T. Sasikala, Professor and Dean
School of Computing
Dr. L. Lakshmanan, HOD-CSE
Dr. S. Vigneshwari, HOD-CSE

Register here
<http://forms.gle/uRx4578yriu>
E-certificate will be provided for
all who attend all 3 days
Join us through Zoom Platform

UHV Sensitization Program

Date: 12-03-2021



SIVAKUMAR MUTHULINGAM
SPEAKER



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ACADEMIC YEAR 2019-2020

List of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during 2019-2020

Program No.	Year	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organized for teaching staff	Title of the administrative training program organized for non-teaching staff	No. of participants
1.	2019-2020	7/10/2019 to 09/10/2019	Workshop on Rules for Preventing Plagiarism & Outcome Based Education- Experience Sharing	--	450
2.		09/11/2019 to 13/11/2019	Digital Marketing	Digital Marketing	249
3.		22-11-2019 to 23-11-2019	Management of Quality Systems in Laboratories	Management of Quality Systems in Laboratories	58
4.		08/07/2019 to 10/07/2019	Microsoft Business Intelligence	Microsoft Business Intelligence	45
5.		08/06/ 2020	Entrepreneurship opportunities in Solar Power Plant Field and Role of Grid Connected Solar Power Plant in Smart Grid	--	78
6.		07/06/ 2020	UV Sanitization: The magic bullet	UV Sanitization: The magic bullet	189
7.		18/05/2020	Smart Grid Communication Technologies and Cyber Security	Smart Grid Communication Technologies and Cyber Security	45
8.		21/07/2020 to 23/07/2020	FDP on Teacher student communication and interpersonal	--	126



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			skills		
9.		09/12/2020 to 15/12/2020	Innovative Classifier models for Image and Text using Tensorflow	Innovative Classifier models for Image and Text using Tensorflow	86
10.		13/05/ 2020	Webinar on Electric Vehicle from Pantech Electricals	Webinar on Electric Vehicle from Pantech Electricals	48
11.		22/07/ 2020	FDP on Precision Medicine to Personalized Periodontal Therapy: A Current Perspective	--	78
12.		16/05/ 2020	Webinar on Cloud Computing Framework In Industry 4.0	--	98
13.		7/09/2020 to 12/09/2020	FDP on Temperomandibular joint disorders-live from experts	--	95
14.		5/06/2020	Power Quality Issues and Grid Code in Wind Energy Conversion Systems	Power Quality Issues and Grid Code in Wind Energy Conversion Systems	68
15.		09/09/2019	Exploring Linux server	Exploring Linux server	76
16.		29/01/2020 to 31/01/2020	Tiva Embedded processor for IOT application	Tiva Embedded processor for IOT application	85
17.		14/09/ 2020	FDP on Adapt-Evolve-Connect	--	75
18.		15/05/2020	Impact of Covid-19 on Mental Health and Stability - An Attempt towards Computational Intelligence Based Decision Making –webinar	--	245
19.		09/05/2020	One day FDP on Machine Learning	--	45



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			for Beginners		
20.		10/08/2020 to 15/08/ 2020	FDP on Research, Publication and Patent filling	--	148
21.		27/04/2020	Training on Digital Learning Platform	Training on Digital Learning Platform	648
22.		09/12/2019-12/12/2019	Strategies for Innovative and Quality Research	--	450
23.		27/04/2020-30/04/2020	Stress Management	Stress Management	568
24.		18/05/2020-23/05/2020	Training on Learning Management System	Training on Learning Management System	545
25.		05/08/2019—07/08/2019	Preparing Course Objectives and Outcomes	--	138



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Professional Development /Administrative Training Programs Organized by the Institution for Teaching and Non-Teaching Staff

Annual Report 2019-20

In the academic year 2019-20, the Institution has organized 25 programmes for the benefit of faculty and other staff of the Institution. Due to the Pandemic Covid 19 various programs were conducted to give moral support to the staffs like Impact of Covid-19 on Mental Health and Stability, UV Sanitization: The magic bullet. In addition to this the other programs were also conducted to upgrade the knowledge based on the societal demand like Workshop on Rules for Preventing Plagiarism & Outcome Based Education- Experience Sharing, Digital Marketing, Management of Quality Systems in Laboratories, Microsoft Business Intelligence, Entrepreneurship opportunities in Solar Power Plant Field and Role of Grid Connected Solar Power Plant in Smart Grid, UV Sanitization: The magic bullet, Smart Grid Communication Technologies and Cyber Security, FDP on Teacher student communication and interpersonal skills, Innovative Classifier models for Image and Text using Tensorflow, Webinar on Electric Vehicle from Pantech Electricals, FDP on Precision Medicine, Webinar on Cloud Computing Framework In Industry 4.0, FDP on Temporomandibular joint disorders-live from experts, Power Quality Issues and Grid Code in Wind Energy Conversion Systems, Exploring Linux server, Tiva Embedded processor for IOT application, FDP on Adapt-Evolve-Connect, Impact of Covid-19 on Mental Health and Stability - An Attempt towards Computational Intelligence Based Decision Making, One day FDP on Machine Learning for Beginners etc. The experts shared their views on how to avoid plagiarizing when writing academic papers and also to acquire knowledge on laboratory potential risks due to high power or voltage. The programs offered updates knowledge on the care and maintenance of laboratory equipment as an integral part of quality assurance in the lab and to design new product, the hardware and software. The various events are summarized in the following table.

List of Programs conducted during the Academic Year 2019-2020

Sl. No.	Date	Name of the Event	No. of Participants
1.		Workshop on Rules for Preventing Plagiarism & Outcome Based Education- Experience Sharing	450
2.		Digital Marketing	249



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3.	2019-2020	Management of Quality Systems in Laboratories	58
4.		Microsoft Business Intelligence	45
5.		Entrepreneurship opportunities in Solar Power Plant Field and Role of Grid Connected Solar Power Plant in Smart Grid	78
6.		UV Sanitization: The magic bullet	189
7.		Smart Grid Communication Technologies and Cyber Security	45
8.		FDP on Teacher student communication and interpersonal skills	126
9.		Innovative Classifier models for Image and Text using Tensorflow	86
10.		Webinar on Electric Vehicle from Pantech Electricals	48
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1. Workshop on Rules for Preventing Plagiarism & Outcome Based Education- Experience Sharing

Dated: 7th October to 9th October 2019

The IQAC and Department of Chemical Engineering organizes a workshop on Rules for Preventing Plagiarism & Outcome Based Education on 7th October to 9th October 2019. The experts shared their views on how to avoid plagiarizing when writing academic papers while developed. Around 170 faculties from in-house and external institution participated this workshop. Participants of this workshop writing are first asked to determine the writing topic on scientific paper, and then browse various sources of general knowledge online. When the studio, understudies read a unique section from a work text and were inquired as to whether the materials were paraphrased in four distinct ways would it comprise plagiarism? Pre-and post-workshop results showed that the hands-on training expanded the level of understudies who could accurately recognize instances of plagiarism versus moral composition. Furthermore, speaker help identify main ideas that require citation. In addition to digital-based references, participants also know the information on the importance of appreciating the work of others by not plagiarizing.



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SCHOOL OF BIO AND CHEMICAL ENGINEERING

DEPARTMENT OF CHEMICAL ENGINEERING

Organizes a Workshop

On

Rules for Preventing Plagiarism & Outcome Based Education- Experience Sharing

7th - 9th October, 2019

SPEAKER



Dr. Yogendra Kumar

IIT Kanpur

For Registration : <https://forms.gle/EcrBjHk6yqLa5BhC8>

Venue : IRC Presentation Hall - Sathyabama

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CHANCELLOR

Dr . MARIE JOHNSON,
PRESIDENT

ADVISORS

Dr. T. SASIPRABA
VICE CHANCELLOR

Dr. S.S. RAO ,
REGISTRAR

Dr. E. LOGASHANMUGAM,
PRO VICE CHANCELLOR

ORGANIZERS

Dr. S. SATHISH,
HOD, CHEMICAL

TECHNICAL COMMITTEE

Dr. A. ANNAM RENITA

Dr. D. PRABU

Mr. D. VENKATESAN

Mr. J. ARAVIND KUMAR



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2. Digital Marketing

Dated: 09/11/2019 to 13/11/2019

Department of Computer Science and Engineering organized professional development program of Webinar on Digital Marketing on 09-11-2019 to 13-11-2019. This webinar provides the leading interdisciplinary forum for scientists, engineers, industrialists and researchers to present their latest research idea, applications and innovations in the field of Computer science and Engineering.



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School of Computing

Department of Computer Science Engineering

Organizes Workshop

on

Digital Marketing

Chief Patrons

Dr. Mariazeena Johnson, Chancellor

Dr. Marie Johnson, President

Ms. Maria Bernadette Tamilarasi Johnson
Vice President

Session Handled by:
Dr. P. Sardar Maran

Date : 09-11-2019 to 13-11-2019

Patron

Dr. T. Sasipraba
Vice Chancellor

Dr. E. Logashanmugam
Pro Vice Chancellor

Dr. G. Sundari
Director Administration

Convener :

Dr. T. Sasikala
Prof. & Dean, SoC

Dr. L. Lakshmanan, Head, Dept. of CSE

Dr. S. Vigneshwari, Head, Dept. of CSE

For Registration
<https://forms.gle/W1dqUaNr7TrNPvfX6>

Coordinator :

Dr. A. Yovan Felix

Dr. L. Suji Helen

E Certificates will be provided for all participants



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3. Management of Quality Systems in Laboratories

Date: 22-11-2019 to 23-11-2019

The Department of ECE conducted a workshop on "Management of Quality Systems In Laboratories". The course content is Quality Management in lab & Laboratory Quality Management System (LQMS). The main objective of this program is to acquire knowledge and laboratory poses potential risks due to high power or voltage. It proposes to offer updates on the care and maintenance of laboratory equipment as an integral part of quality assurance in the lab.



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SCHOOL OF ELECTRICAL AND ELECTRONICS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Presents Workshop on

MANAGEMENT OF QUALITY SYSTEMS IN LABORATORIES

22.11.2019 to 23.11.2019 5.00pm to 6.3.pm

Resource Person

Mr. M. A. Muthiah, Assistant professor

Sathyabama Institute of Science and technology

Chief Patrons:

Dr Mariazeena Johnson

Chancellor

Dr Marie Johnson President

Ms Maria Bernadette Tamilarasi Vice President

Dr T Sasipraba Vice Chancellor

Patrons:

Dr E Logashanmugam

Pro Vice Chancellor

Dr G Sundari

Director Administration

Course Content

Quality Management in lab

Laboratory Quality Management system(LQMS)

Convener

Dr N M Nandhitha Dean, School of EE

Dr T Ravi Head, Dept. of ECE

Organiser

Dr. E. Anna Devi, Assistant Professor



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4. Microsoft Business Intelligence

Dated: 08/07/2019 to 10/07/2019

Department of Computer Science and Engineering organized workshop on Microsoft Business Intelligence on 08-07-2019 to 10-07-2019. This workshop briefed on Mat lab and Microsoft tools.



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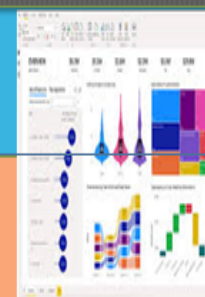
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School of Computing

Department of Computer Science Engineering

Organizes Workshop on Microsoft Business Intelligence



Chief Patrons

Dr. Mariazeena Johnson

Chancellor

Dr. Marie Johnson

President

Ms. Maria Bernadette Tamilarasi Johnson

Vice President

Date : 08-07-2019 to 10-07-2019

Session Handled by:

Dr. B. Ankayarkanni

For Registration

<https://forms.gle/W1dqUaNr7TrNPvfX6>

Patron

Dr. T. Sasipraba

Vice Chancellor

Dr. E. Logashanmugam

Pro Vice Chancellor

Dr. G. Sundari

Director Administration

Convener:

Dr. T. Sasikala

Prof. & Dean, SoC

Dr. L. Lakshmanan, Head, Dept. of CSE

Dr. S. Vigneshwari, Head, Dept. of CSE

Coordinator :

Dr. S. Prince Mary

Dr. A. Viji Amutha Mary

E Certificates will be provided for all participants



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5. Entrepreneurship opportunities in Solar Power Plant Field and Role of Grid Connected Solar Power Plant in Smart Grid

Dated: 8th June 2020

Department of Electrical and Electronics Engineering organized a live webinar on Entrepreneurship Opportunities in Solar Power plant Field and Role of Grid Connected Solar Power plant in Smart grid on 8th June 2020. This webinar dealt with the Entrepreneurship opportunities in the field of solar power plant, also it focused on the how the grid connected PV system captures the solar energy and transforms to electrical energy.

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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamil Nadu, India.

Department of EEE Invites You to Join

**ENTREPRENEURSHIP OPPORTUNITIES IN
SOLAR POWER PLANT FIELD
&
ROLE OF GRID CONNECTED SOLAR
POWER PLANT IN SMART GRID**

► LIVE WEBINAR **June 8, Monday | 3 PM - 4 PM**

Speaker : Mr. RATTAN KUMAR V.,
TECHNICAL EXPERT-PV Solar Technologies
ASSISTANT PROFESSOR (Grade - II) / EEE
AVIT- AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

COORDINATORS & ORGANIZERS

Dr. N M NANDITHA, DEAN EEE Dr. SIVACHIDAMBRANATHAN V, HOD EEE
Mrs. KAVITHA M, Asst Prof Dr. JAYA PRAKASH S, Asst Prof
Mr. NIRMAL RAJ S, Asst Prof Mr. SENTHIL NAYAGAM V, Asst Prof

Participants will get an E-Certificate
ONLY STUDENTS CAN SPOT THEIR REGISTRATION

REGISTER NOW AT : <https://forms.gle/D7z92BNAfgQGuv8s5>



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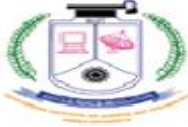
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6. UV Sanitization: The magic bullet

Dated: 7th June 2020

Due to the pandemic Covid 19 the world faced a big challenge to control the virus. In this aspect the Department of Electrical and Electronics Engineering organized a live webinar on UV Sanitization: The Magic Bullet on 7th June 2020. This webinar mainly focused in UV light which has been used for sterilization and disinfection as early as the mid-20th century. With the advancements in technology, and specifically in the UV bulbs themselves, its reliable long lifespan (thousands-of-hours) and smaller size (e.g. UV LED vs traditional UV bulbs) has broadened the field for where it can be used. You can find it being used to disinfect: water, air, fruits, vegetables, surgical utensils, tablet computers, toys and a variety of surfaces.



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School of Electrical and Electronics
Department of Electrical and Electronics Engineering
ORGANIZES LIVE WEBINAR ON
UV Sanitization: The Magic Bullet
(Against COVID-19)



7th June , 2020
11:00 hrs – 12:00 hrs



Mr. Kashish Shah
BUSINESS HEAD, OASIS Luminaires & PRACHI International Lights

"As Corona has outspread throughout the world, we need to keep our interspace from it. We can sanitize ourselves but we can't sterilize everything. So, to avoid this pervasive effect of COVID-19 a device that is **UV Sanitization tactic** has been developed. It uses UV rays which deplete everything i.e. from a toy to a shopping mall."

Coordinators Dr. N.M.Nandhita (Dean School of EEE) Dr V.Sivachidambaram (HOD-EEE)	Staff Organizer Ms. M PREETHI PAULINE MARY	Student Coordinator MEET MEHTA B.GOWTHAM NAIDU ABHJEET KUMAR
--	---	---

<https://docs.google.com/forms/d/e/1FAIpQL5>

e-Certificate will be issued for all Participants **contact: 8734925443, 7091037628**



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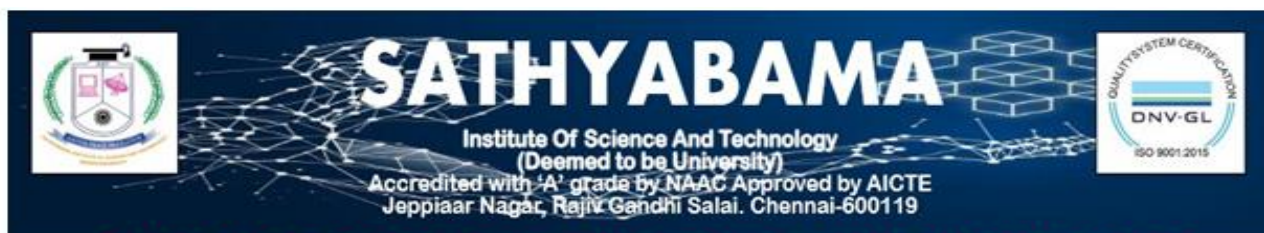
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7. Smart Grid Communication Technologies and Cyber Security

Dated: 18/05/2020

Department of Electrical and Electronics Engineering organized webinar on IoT: Smart Grid Communication Technologies on 18th May 2020. Smart Grid and Green Energy Systems sections covers all the major and minor topics which help in finding solutions for Smart Grid and Green Energy Systems problems (Renewable Energy, Smart Energy Materials Sustainability and Development, Energy Recycling, sustainability, Green and Renewable Energy) and Green Technology and Green Energy.



SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ORGANIZES LIVE WEBINAR ON

IoT : Smart Grid Communication Technologies



Dr. K. KULOTHUNGAN, M.E, PhD, CCAI

He is presently working as Associate Professor in the Department of IST, College of Engineering, Anna University. His core research is in the field of Secure Fault Tolerant Routing with Self Optimized Clustering in Wireless Sensor Networks. He has published more 100 research papers in reputed journal.

Time: 18/05/2020

11.30 am to 12.30 pm

Registration Link:

https://docs.google.com/forms/d/e/1FAIpQLSfxuzynhKaO9KndCaN802FvVVh2M3f6RGPcMY7KtW5otbFYKQ/viewform?usp=sf_link

E Certificate Will Be Issued To All Registered Participants

Coordinators

Dr. N.M.NANDHITHA,

Professor & Dean, School of EEE

Dr. V. SIVACHIDAMBARANATHAN,

Professor & Head, Dept of EEE

Organizers:

Dr. M.L.BHARATHI, Assistant Professor

Dr. M.S.SANGEETHA, Assistant Professor





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8. FDP on Teacher student communication and interpersonal skills

Dated: 21st- 23rd July, 2020

Teacher-Student communication and Interpersonal skills was conducted by department of Pediatric and Preventive Dentistry from 21st- 23rd July, 2020. Dr. Sri Vidya Sudharson, M.Phil psychologist and Director of Transcend centre of personal excellence emphasized on the importance of communication with students. A total of 50 participants joined the faculty development program. The participants were briefed about the personalities of students and teachers. Communication is a way through which teachers exchange information and ideas with their students. It is vital for educators to communicate with students at their level of comprehension, which is sometimes tricky as each student has a different level of understanding and comprehension power. Interpersonal skills can be understood as - those abilities needed to communicate, interact and work effectively with individuals and groups. Interpersonal communication, as the name implies, occurs when two individuals communicate with one another. Those with exceptional interpersonal skills are strong verbal and nonverbal communicators who interact through gestures, eye moments, different postures, and so on and are frequently regarded as "excellent communicators" or good conversationalists.



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SATHYABAMA DENTAL COLLEGE & HOSPITAL

DEPARTMENT OF PEDIATRIC & PREVENTIVE DENTISTRY
PRESENTS

FACULTY DEVELOPMENT PROGRAMME 21ST TO 24TH JULY

TEACHER-STUDENT: COMMUNICATION & INTERPERSONAL SKILLS

SPEAKER:

MRS. SRIVIDYA SUDHARSON M. PHIL PSYCHOLOGY
PSYCHOLOGIST & DIRECTOR
TRANSCEND CENTER FOR PERSONAL EXCELLENCE

21ST TO 24TH JULY

2020

2.30 PM - 3.30 PM



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9. Innovative Classifier models for Image and Text using Tensorflow

Dated: 09.12.2020 to 15.12.2020

Department of computer science had conducted an event on the topic '7 DAYS FDP ON Innovative Classifier models for Image and Text using Tensorflow' from 09.12.2020 to 15.12.2020. This FDP was an introductory course planned to understand the various segments of classifying the images and text using Tensorflow. Around 36 staffs participated in this event and learned the beginner level techniques to work with Tensorflow.



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STARS RATING SYSTEM
NBA NATIONAL BOARD OF ASSOCIATIONS
nirf NATIONAL INSTITUTE RANKING FRAMEWORK
AICTE APPROVED
IGWU INDIAN GATEWAY UNIVERSITY
DIAMOND

SCHOOL OF COMPUTING
ORGANIZES
INNOVATIVE CLASSIFIER MODELS FOR IMAGE & TEXT USING
TENSORFLOW

DATE: 09/12/2020 - 15/12/2020
TIME: 11:00 AM
VENUE: ZOOM PLATFORM

- E-Certificates will be provided for all participants

FACULTY CO-ORDINATORS

- DR. Bharathi (ASST PROFESSORS CSE)
- DR. Christy (ASST PROFESSORS CSE)
- DR. Yovan felix (ASST PROFESSORS CSE)

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Dr. Marie Johnson, President
Mr. J. Arul Selvan, Vice President
Mrs. Maria Bernadette Tamilarasi

VICE PRESIDENT

Ms. Maria Catherine Jayapriya, Vice President

PATRON

Dr. T. Sasipraba, Vice Chancellor

RESOURCE PERSON

M. Jayakumar, CEO,
Level UP STC,
Chennai.

CONVENORS

Dr. T. Sasikala, Dean, School of Computing
Dr. L. Lakshmanan, Head of Department, CSE
Dr. S. Vigneshwari, Head of Department, CSE



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10. Webinar on Electric Vehicle from Pantech Electricals

Dated: 13th May 2020

Department of Electrical and Electronics Engineering in association with Pantech Solutions organized a webinar on Electric Vehicles on 13th May 2020 at 11.00 Am. This program is designed to offer a fundamental understanding of electric vehicle design approach, vehicle dynamics, powertrain working principals, powertrain specifications, vehicle development, and integration. This program is highly specialized in the area of new product development, vehicle design, and analysis of EVs using the hardware and software platforms.



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Resource Person :

Mr.Arjun Vijayan,

Sr. Project Lead, Pantech solutions.

Convener :

Dr.N.M.Nandhitha, Prof. & Dean, School of EE

Dr.V.Sivachidambaranathan, Prof. & Head, Dept. of EEE

Coordinator :

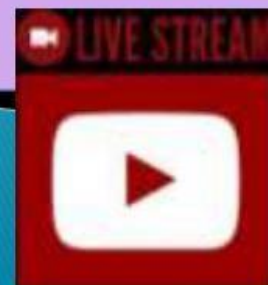
Dr.E.Annie Elisabeth jebaseelai, Asso. Prof. Dept, of EEE

www.pantechlearning.com

**Free registration
e certificate**

13th May, 2020

11.00 am – 12.30 pm





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11. FDP on Precision Medicine to Personalized Periodontal Therapy: A Current Perspective

Dated: 22nd July 2020

Periodontal Diseases are a wide-ranging group of conditions that vary in their presentation, etiology and response to treatment. Traditional one-size fits all approach does not work in many cases of Periodontal Diseases. To add to this, the undeniable effect of systemic diseases, conditions and the therapies for them also influence the Periodontium in both health and disease.

To shed light on this, an Online Faculty Development Program was organized by the Department of Periodontics over the Zoom platform on 22nd July 2020. The speaker was **Dr. Vamsi Lavu**, Professor, Dept of Periodontics, Faculty of Dental Sciences, Sri Ramachandra Dental College, Chennai on the topic "**Precision Medicine to Personalized Periodontal Therapy: A Current Perspective**". Dr. Vamsi spoke on what Precision Medicine entails, how it evolved over the years in general, and in Periodontal Therapy in particular and the developmental highlights in the field.

Over 140 participants attended the program with exhaustive lecture on the topic and an interactive session post lecture. Feedback, taken via Google Forms was highly positive.

Date: **22nd June 2020**, 11 AM onwards

Platform: **Online, via ZOOM**

Link: **ID 947 0783 2463& Passcode 914288**



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SATHYABAMA DENTAL COLLEGE & HOSPITAL

DEPARTMENT OF PERIODONTICS

-presents-

ON | 

JULY 22, 2020

AT | 

11 AM - 12 Noon

FACULTY DEVELOPMENT PROGRAM

ONLINE WEBINAR

VIA

ZOOM App

ID: 947 0783 2463

Password: 914288

REGISTRATION
FREE

Precision Medicine to Personalized Periodontal Therapy :A Current Perspective



Dr.VAMSI LAVU

MDS, PhD

Professor, Periodontics
Faculty of Dental Sciences
Sri Ramachandra Dental College, Chennai

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Dr.MARIAZEENA JOHNSON, BE,MBA, M. Phil, Ph. D

President

Dr.MARIE JOHNSON, BE,MBA, M. Phil, Ph. D

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Dean
Sathyabama Dental College
Chennai

ORGANIZING SECRETARY

Dr. SUMATHI H RAO
Head of the Department
Dept. of Periodontics
Sathyabama Dental College

ORGANIZING COMMITTEE

Dr.GAYATHRI S
Dr.NANDHINI V
Dr.YAMINI R
Dr.GEETHA T

119



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12. Webinar on Cloud Computing Framework in Industry 4.0

Dated: 16th May 2020

Department of Electrical and Electronics Engineering organized a webinar on Cloud Computing Framework in Industry 4.0 on 16th May 2020. This Webinar briefly defined the benefits of using cloud computing which is an excellent way to save money on startup costs for manufacturing companies with industry 4.0 standards. This Webinar briefly defined the benefits of using cloud computing which is an excellent way to save money on startup costs for manufacturing companies with industry 4.0 standards.



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SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING





WEBINAR

ON

CLOUD COMPUTING FRAMEWORK

IN INDUSTRY 4.0



MAY 16 2020

10.00 am to 12.00 noon

Resource Person

Mr V.ADITHYA POTHAN RAJ,
ASSISTANT OPERATION
MANAGER,
COGNIZANT, CHENNAI.



For Further Details

Organizers:

Mrs V.Geetha AP/EEE-9840632432
Mrs M.Pushpavalli AP/EEE-9840410850
Mrs P.Sivagami AP/EEE
Mrs P.Abirami AP/EEE

Participant will get an E - Certificate

<https://docs.google.com/forms/d/14TIGxCJM38t-Bx9MaAVdZQoEINv4tiYDeGwv6XDJLT4/edit>

Coordinators:

Dr N.M.Nandhitha
Dean/School of EEE
Dr V.Sivachidambaranathan
HOD/EEE

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13. FDP on Temporomandibular joint disorders-live from experts

Dated: 7/09/2020 to 12/09/2020

The Disorders of Temporomandibular joint are complex, unspeculative and poorly understood because of its unique anatomical location and its co-occurrence with certain medical conditions like headache, body ache or fibromyalgia. The diagnosis of these disorders is always a big challenge as their symptoms are overlapping. Management of TMDs has always been critical to dental professionals and generally needs multimodality treatment. Though their etiology is multifactorial, psychological stress plays a key role in the onset and development of these disorders and they are increasingly reported with symptoms like pain, impairment and disability among dental patients. The purpose of organizing this Faculty Development Programme is to enhance the dentist professional skills in appropriate diagnosis and treatment of Temporomandibular joint disorders through expert knowledge shared by eminent speakers in this field.



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SATHYABAMA DENTAL COLLEGE & HOSPITAL

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Faculty Development Programme
On

TEMPOROMANDIBULAR JOINT DISORDERS
- LIVE FROM EXPERTS

Date: 7TH TO 12TH SEPTEMBER 2020

Time: 4 PM to 5:30 PM

Registration Free

Register Now

Click Here



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Dr. Marie Johnson
President

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Dr. E. Logashanmugam
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Dean

ORGANISING SECRETARY

Dr. C. Pravda Professor & Head
Dept. of Oral Medicine & Radiology

ORGANISING COMMITTEE

Dr. Saakshi Gulati
Dr. Praveena Raman
Dr. Nandhini Ganesan
Dr. Priyanka
Dr. Abhirami

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY



SPEAKERS



Dr. S. SATHASIVASUBRAMANIAN, MDS

Vice Principal, Professor, Department of Oral Medicine & Radiology,
Faculty of Dental Science, SRIHER(DU), Chennai

Date: 07.09.2020 | **Time:** 4pm - 5:30pm

Topic: CLINICAL ASPECTS OF TMJ DISORDERS

Dr. C.KIRTHIKA, MDS, PhD

Vice Principal, Professor & Head, Dept of Oral Medicine & Radiology,
Thai Moogambigai Dental College & Hospital, Chennai

Date: 08.09.2020 | **Time:** 4pm - 5:30pm

Topic: IMAGING OF TMJ – AN ORAL RADIOLOGIST 'S PERSPECTIVE



Dr. TATU JOY ELENJICKAL, MDS, PhD

Professor & Head, Department of Oral Medicine & Radiology,
Sree Mookambika Institute of Dental Sciences, Kulashekaram

Date: 09.09.2020 | **Time:** 4pm - 5:30pm

Topic: TMJ DISORDERS – A DIAGNOSTIC DILEMMA

Dr. RENJU JOSE, MDS

Professor, Department of Oral Medicine & Radiology, Head of
Speciality Dental Practice, Amrita School of Dentistry,

Amrita Institute of Medical Science, Kochi

Date: 10.09.2020 | **Time:** 4pm - 5:30pm

Topic: CONSERVATIVE MANAGEMENT OF TMJ DISORDERS



Lt Col Dr. K. KAMALPATHEY, MDS

Former Associate Professor, Dept of Oral & Maxillofacial Surgery
Army Dental Centre (Research & Referral), New Delhi

Date: 11.09.2020 | **Time:** 4pm - 5:30pm

Topic: SURGICAL MANAGEMENT OF TMJ DISORDERS

Dr. R.R. MAHENDRA RAJ, MDS

Professor & Head, Department of Oral Medicine & Radiology
Karpaga Vinayaga Institute of Dental sciences, Kanchipuram

Date: 12.09.2020 | **Time:** 4pm - 5:30pm

Topic: ALTERNATIVE APPROACHES IN THE MANAGEMENT OF TMJD





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14. Power Quality Issues and Grid Code in Wind Energy Conversion Systems

Dated: 5/06/2020

Department of Electrical and Electronics Engineering organized a webinar on Power Quality Issues and Grid Code in Wind Energy Conversion Systems on 5th June 2020. This webinar mainly briefed the various challenges of wind energy when integrated into the grid and identifies different mitigation strategies for its smooth integration.



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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

*Organizes
a
Webinar
on*

Power Quality Issues and Grid Code in Wind Energy Conversion Systems

Date : 5th June 2020

Resource person:
Mr.M.Parasuram
Application Engineer,
Axis Global Automation,
Chennai.

Conveners:
Dr.M.M.Nandhitha, Dean/School of EEE
Dr.V.Sivachidambaramanathan, HOD/EEE

Organizers:
Dr.Ramesh Babu
Mr.Barnabas Paul Gladly
EEE Department
Sathyabama Institute of Science
and Technology, Chennai



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15. Exploring Linux server

Dated: 09/09/2019

Department of Computer Science and Engineering in association with Indian Servers organized one day Online Exploring Linux server 9/9/2019. This Faculty Development Program (FDP) is being conducted for the faculty members of engineering colleges, industries and research laboratories as well. The purpose of conducting this FDP is to provide a hands-on-experience on real time applications using Linux server. This FDP is devoted to address the need to enhance the knowledge about the linux server



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School of Computing

Department of Computer Science Engineering

Organizes webinar
on

Exploring Linux server

Chief Patrons
Dr. Mariazeena Johnson, Chancellor
Dr. Marie Johnson, President
Ms. Maria Bernadette Tamilarasi Johnson
Vice President

Session Handled by:
Dr. V. Ulagamuthalvi

Date : 09-09-2019

Patron
Dr. T. Sasipraba
Vice Chancellor
Dr. E. Logashanmugam
Pro Vice Chancellor
Dr. G. Sundari
Director Administration

Convener :
Dr. T. Sasikala
Prof. & Dean, SoC
Dr. L. Lakshmanan, Head, Dept. of CSE
Dr. S. Vigneshwari, Head, Dept. of CSE

Coordinator :
Ms. T. Anandhi
Ms. R. Aishwarya

For Registration
<https://forms.gle/W1dqUaNr7TrNPvfX6>

E Certificates will be provided for all participants



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16. Tiva Embedded processor for IOT application

Dated: 29/01/2020 to 31/01/2020

Department of Electrical and Electronics Engineering organized six days workshop on Tiva Embedded processor for IOT application. This workshop briefed on Texas Instruments Tiva series microcontrollers which are the first ARM Cortex™-M4 MCUs to be implemented on TI's proprietary 65-nm process technology.

The poster is for a workshop organized by the Department of Electrical and Electronics Engineering at Sathyabama Institute of Science and Technology. It features the institute's logo and name at the top, followed by accreditation details. The main title of the workshop is prominently displayed in the center. Below this, the dates and time of the workshop are listed. The resource person, Mr. Raghuram, is mentioned along with his affiliation. The conveners, Dr. N.M. Nadhitha and Dr. V. Sivachidambaramanathan, are also listed. The organizers, Dr. S.D. Sundarsingh and Dr. Godwin Immanuel, are mentioned at the bottom. A note at the very bottom states that there is no registration fee and an e-certificate will be provided.

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**Department of Electrical and Electronics Engineering
Organizes
Workshop
on
Tiva Embedded processor for IOT
application**

Date: From 29.01.2020 to 31.01.2020
Time: 08.30-03.00 PM

Resource Person
Mr. Raghuram
Proprietor,
Manonmani Enterprises,
Chennai

Conveners
Dr. N.M. Nadhitha
Prof & Dean EEE
Dr. V. Sivachidambaramanathan,
Prof & Head EEE

Organizers
Dr. S.D. Sundarsingh Jebaseelan, Asso. Prof/EEE
Dr. Godwin Immanuel, Asso. Prof/EEE

No Registration fee!!!
E-Certificate will be provided



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17. FDP on Adapt-Evolve-Connect

Dated: 14th September 2020

The Department of Prosthodontics at Sathyabama Dental College conducted a Faculty Development Programme (FDP) on ADAPT CONNECT EVOVLE, 14th September 2020. The programme was inaugurated by Dr. B.Thayumanavan, Dean, Sathyabama Dental College and was chaired by Dr. Haribabu, Head, Department of Prosthodontics. Dr. HariBalaji. VR spoke in depth about the Pandemics in the past and how we need to cope up as individuals, families and society. The impact of the pandemic and its implications on the physical as well as mental health was discussed in detail. It was an in-depth discussion about how to access the resources, purpose of associating with various forums, benefits of editorial groups, methods of connecting the youth, bridging the management. He presented quoting teacher and students are serving humanities at large by giving examples from his life and also management techniques in future lifestyle changes. The presentation was so informative with a Q&A session at the end. There were 147 participants.


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SATHYABAMA DENTAL COLLEGE AND HOSPITAL
DEPARTMENT OF PROSTHODONTICS & IMPLANTOLOGY
FACULTY DEVELOPMENT PROGRAM
 ON
ADAPT - CONNECT - EVOLVE



Dr. Hari Balaji VR
 Humanitarian & Development Professional
 Chennai | India



14th September 2020



04:00pm - 05:30pm

REGISTRATION FREE


LIVE WEBINAR


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Chancellor
Dr. Marie Johnson
President

ADVISORS

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Vice-Chancellor

Dr. S. S. Rau
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Sathyabama Dental College & Hospital
Chennai
ORGANIZING SECRETARY
Dr. R. Haribabu
Professor & Head
Department of Prosthodontics & Implantology
Sathyabama Dental College & Hospital
Chennai

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Dr. V. Balakumar
Dr. S. Sankara Krishnan
Dr. S. Swathi

Dr. S. Hema Nandhini
Dr. Aishwarya Arunkumar
Dr. K. Vidya

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18. Impact of Covid-19 on Mental Health and Stability - An Attempt towards Computational Intelligence Based Decision Making –webinar

Dated: 15/05/2020

Department of Computer Science and Engineering organized a webinar on Impact of Covid-19 on Mental Health and Stability - An Attempt towards Computational Intelligence Based Decision Making on 11/5/2020. This webinar mainly briefed the various impact of Computational Intelligence by making a decision on mental health.



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School of Computing

Department of Computer Science Engineering

Organizes Webinar

on

Impact of Covid-19 on Mental Health and Stability - An Attempt Towards Computational Intelligence Based Decision Making

Chief Patrons

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Dr. Marie Johnson, President

Ms. Maria Bernadette Tamilarasi Johnson
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Patron

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Director Administration

Convener :

Dr. T. Sasikala
Prof. & Dean, SoC

Dr. L. Lakshmanan, Head, Dept. of CSE

Dr. S. Vigneshwari, Head, Dept. of CSE

Session Handled by:

DR. A. MARY POSONIA

Date : 15.05.2020

For Registration

<https://forms.gle/N1deTaEr7TrcPvfY6>

Coordinator :

Mrs. C. M. Suja

Dr. M. S. Roobini

E Certificates will be provided for all participants



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19. One day FDP on Machine Learning for Beginners

Dated: 09/05/2020

Department of Computer Science and Engineering in association with Indian Servers organized one day Online Faculty Development Program on Machine Learning for Beginners 9th May 2020. This Faculty Development Program (FDP) is being conducted for the faculty members of engineering colleges, industries and research laboratories as well. The purpose of conducting this FDP is to provide a hands-on-experience on real time applications using AI & ML methods. This FDP is devoted to address the need to enhance the knowledge about the latest technologies pertaining to Machine Learning and Deep Learning using Python



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School of Computing

Department of Computer Science Engineering

One day FDP on Machine Learning for Beginners

Chief Patrons

Dr. Mariazeena Johnson, Chancellor

Dr. Marie Johnson, President

Ms. Maria Bernadette Tamilarasi Johnson
Vice President

Session Handled by:
Dr. S. Dhamodaran

Date : 09-05-2020

Patron

Dr. T. Sasipraba
Vice Chancellor

Dr. E. Logashanmuqam
Pro Vice Chancellor

Dr. G. Sundari
Director Administration

Convener :

Dr. T. Sasikala
Prof. & Dean, SoC

Dr. L. Lakshmanan, Head, Dept. of CSE

Dr. S. Vigneshwari, Head, Dept. of CSE

For Registration
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Coordinator :

Dr. G. Nagarajan

Dr. K. Ashok Kumar

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20. FDP on Research, Publication and Patent filling

Dated: 10th August to 15th August 2020

The faculty development program research, publication and patent filing was organized by Basic Medical Sciences Department, Sathyabama Dental College and Hospital. It was conducted for 6 days from 10th August to 15th August 2020 with 551 participants. The speakers of the FDP are highly qualified, with experience in research, publications and patent filing. The FDP imparted knowledge on designing the research work, literature search, art of writing the research paper for publication, statistical techniques used in medical research, grammar and plagiarism, identification of indexing status of journals in PubMed, SCOPUS, Web of science, Embase and finally the patent filing and research outcome.

The FDP was conducted for teaching and research community to update their knowledge in research, publication and patent filing in medical and dental field. The speakers discussed the complexity of research, publication and patent filing and their multidimensional approaches that are useful in both learning and research. The FDP aims is to improve the quality of research, increase the number of publication and patent filing.



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Department of Basic Medical Sciences

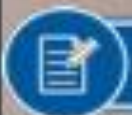
Organising

*Faculty
Development
Program*

**RESEARCH
PUBLICATION &
PATENT FILING**

Date: 10th August to 15th August 2020

Time: 3pm to 4pm (IST)



For
Registration

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Dr. Maria Johnson
President
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Vice Chancellor

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HOD, Department of Microbiology

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Dr. N. Anuradha
Dr. Rupasri Dutt Roy
Dr. S. Srividya
Dr. N. Premjanu

Dr. B.R. Malathy
Dr. S. Priya
Dr. R. Revathy
Dr. Vijay Amritraj
Dr. Jeeva Jerome

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SATHYABAMA DENTAL COLLEGE & HOSPITAL

Department of Basic Medical Sciences



SPEAKERS



Dr. S. Karthikeyan

Professor & HOD (Retired), Department of Pharmacology and Environmental Toxicology, DR. ALM PGIBMS, University of Madras

Date: 10.08.2020 | **Time:** 3pm - 4pm

Topic: Art of writing Research paper for Publication



Dr. M.I. Glad Mohesh

Associate Professor of Physiology, Shri Sathya Sai Medical College & Research Institute

Date: 11.08.2020 | **Time:** 3pm - 4pm

Topic: Literature Search



Dr. A. John William Felix

Reader & Statistician, Dept. Of Community Medicine, Rajah Muthiah Medical College

Date: 12.08.2020 | **Time:** 3pm - 4pm

Topic: Statistical Techniques used in Medical Research



Dr. Vignesh Ramachandran

Senior Lecturer- Microbiology, Faculty of Medicine University of Kuala Lumpur, Malaysia

Date: 13.08.2020 | **Time:** 3pm - 4pm

Topic: Grammar and Plagiarism



Dr. Ben Ashok

Associate Professor, Department of Biochemistry SRMC

Date: 14.08.2020 | **Time:** 3pm - 4pm

Topic: Identification of indexing status of journals in Pubmed, Scopus, Web of science and Embase



Dr. Vijeta Jha

Techno-IPR consultant, Mentor, IIM Udaipur Incubation Centre, IIM Udaipur

Date: 15.08.2020 | **Time:** 3pm - 4pm

Topic: Patent filing and Research Outcome



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21. Training on Digital Learning Platform

Dated: 27/04/2020 to 30/04/2020

The current COVID 19 epidemic has significantly increased the popularity of online learning. Because of this, a digital learning platform has been embraced by all educational institutions, including schools, colleges, universities, and vocational schools or is in the process of being implemented. IQC conducted a training program on **Training on Digital Learning Platform 27/04/2020 to 30/04/2020**. Digital technology has liberated learning. Students today have access to a variety of materials, enabling them to take charge of and self-direct their learning while the instructor's position is unaffected.

Learning management systems (LMS) and learning content management systems are examples of digital learning platforms (LCMS). In addition, virtual classroom tool or a virtual learning environment (VLE). The training was provided by our project team members with the customized software available in the campus to carry out the classes and exams. While each platform varies in function and features, all digital learning platforms can support all types of learning, i.e., online learning, classroom learning, and blended learning. With the Internet and digital technology becoming an integral aspect of our lives, education too, has gone online, mandating specialized technology solutions to support online learning.



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TRAINING ON DIGITAL LEARNING PLATFORM

Organized by
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(IQAC)



DATE: APRIL 27-30, 2020 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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22. Strategies For Innovative and Quality Research

Dated: 09/12/2019-12/12/2019

The IQAC organized a FDP on **Strategies For Innovative and Quality Research** for the faculties to Increase the innovation in products and services due to the rising market needs. The speakers spoke on the strategically aligned internal circumstances with quality management to get more product, process, and administrative innovation for the institution. The purpose of this essay is to discuss how social and technical quality management relates to innovation. This program was also social quality management practices and technical quality management practices should positively connect with innovation. The quality publication will lead to get good funding support and to design a patent of societal demand.



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STRATEGIES FOR INNOVATIVE AND QUALITY RESEARCH

Organized by
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(IQAC)



DATE: 09/12/2019 - 12/12/2019 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

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Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
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23. STRESS MANAGEMENT

Dated: 27/04/2020-30/04/2020

During pandemic, it was a difficult situation to pass through. IQAC organized a program on Stress Management. Normally stress is a typical emotional and physical response to life's responsibilities. A modest amount of stress might be beneficial since it can inspire you to work hard. However, a lot of obstacles you face every day, especially during Covid 19 was too much for everybody to handle. The program helped the faculties and staffs to keep their brain cool in an alert system. The speakers suggested them to keep the body normal during the panic situation, which responds to a threat by releasing a wave of chemicals that quicken your heartbeat and elevate your blood pressure. Finally, the program taught them to develop their ability to deal with the threat is fueled by this "fight-or-flight" reaction.

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**WEBINAR ON
"STRESS MANAGEMENT"**

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

DATE: 27/04/2020 - 30/04/2020 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

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24. Training on Learning Management System

Dated: 18/05/2020-23/05/2020

A training on learning management system was conducted by IQAC for hassle-free movement of the classes and examinations during the pandemic. The institute resource persons gave the training and taught the mobility of learning management systems is one of their main benefits. The LMS gives the study material instant access to organizational training resources from any location. Employees now have more freedom to train whenever it is convenient for them, outside of the traditional workday. All learning materials were collected into one place in order to streamline the training process. Faculty can easily access crucial resources from one location without switching between numerous applications, emails or other resources.



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TRAINING ON LEARNING MANAGEMENT SYSTEM

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25. Preparing Course Objectives and Outcomes

Dated: 05/08/2019—07/08/2019

IQAC organized FDP on **Preparing Course Objectives and Outcomes** from 05/08/2019—07/08/2019.

The major focus was given towards pedagogical teaching methods and practicing OBE. The speakers focused on more practical, like a clear definition of the learning goals and objectives that prepare the ground for an effective lesson plan of a course which was measured by its outcomes.



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**PREPARING
COURSE OBJECTIVES AND OUTCOMES**
Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

**LEARNING
OBJECTIVES**

DATE: 05/08/2019 - 07/08/2019 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

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Dr. T. Sasipraba Vice Chancellor	



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Academic Year 2018-2019

List of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during 2018-2019					
Program No.	Year	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organized for teaching staff	Title of the administrative training program organized for non-teaching staff	No. of participants
1.	2018-2019	14/08/2018	Stress Management and Leadership skills	Stress Management and Leadership skills	235
2.		4/12/2018 to 6/12/2018	First AID and Uses of Fire Extinguisher	First AID and Uses of Fire Extinguisher	175
3.		11/01.2019 to 12/01/2019	Technology and management for electronic product design	Technology and management for electronic product design	111
4.		28/06/18 to 29/06/18	Familiarization with various types of measuring instruments	Familiarization with various types of measuring instruments	78
5.		19/06/2018 to 23/06/2018	DST – SERB Sponsored Five Days National Level Seminar on “Integration of Green Energy with Smart Grid through IOT	---	138
6.		19/06/2018 to 23/06/2018	FDP on Creative Thinking	---	135
7.		05/09/2018 to	Workshop on Innovative pedagogy	---	345



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		08/09/2018			
8.		01/04/2019 to 03/04/2019	FDP on Evaluating Programme Educational Objectives and Programme Outcomes	---	120
9.		23/07/2018/ to 27/07/2018	Faculty Induction Program	---	135
10.		08/11/2018/ to 09/11/2018	Enhancing Leadership and Communication Skills	---	148
11.		11/08/2018/ to 12/08/2018	Capacity Building in OBE teaching methods	---	168
12.		25/08/2018/ to 27/08/2018	Incorporating experiential learning and digital pedagogy tools	---	152



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Professional Development /Administrative Training Programs Organized by the Institution for Teaching and Non-Teaching Staff Annual Report 2018-19

In the academic year 2018-19, the Institution has organized 12 programmes for the benefit of faculty and other staff of the Institution. Various programmes like Stress Management and Leadership skills, First AID and Uses of Fire Extinguisher, Technology and management for electronic product design, Familiarization with various types of measuring instruments, DST – SERB Sponsored Five Days National Level Seminar on “Integration of Green Energy with Smart Grid through IOT, FDP on Creative Thinking, Workshop on Innovative pedagogy, FDP on Evaluating Programme Educational Objectives and Programme Outcomes, Faculty Induction Program, Enhancing Leadership and Communication Skills, Capacity Building in OBE teaching methods, Incorporating experiential learning and digital pedagogy tools etc. were organized to upgrade the technical and administrative skills of teaching and non-teaching staff. The objective was to create awareness on the proliferation of new media and technologies that students use on a daily basis and that may be further utilized in inventive and creative ways. To capture the interest of the students, teachers must use innovative strategies and look for fresh ideas, problems, and procedures. They also concentrated on applying techniques, which are the key factors play an important role in grounding for creativity and innovation to a thriving environment, proposing a series of central factors which can support the shift towards more creative and innovative education. The Lab Safety Protocols and stress management was also organized to train the non-teaching staff and students. The various events are summarized in the following table.

List of Annual Programs for the Academic Year 2018-19

Program No.	Year	Name of the Event	No. of Participants
1.	2018-2019	Stress Management and Leadership skills	235
2.		First AID and Uses of Fire Extinguisher	175
3.		Technology and management for electronic product design	111
4.		Familiarization with various types of measuring instruments	78



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5.		DST – SERB Sponsored Five Days National Level Seminar on “Integration of Green Energy with Smart Grid through IOT	138
6.		FDP on Creative Thinking	135
7.		Workshop on Innovative pedagogy	345
8.		FDP on Evaluating Programme Educational Objectives and Programme Outcomes	120
9.		Faculty Induction Program	135
10.		Enhancing Leadership and Communication Skills	148
11.		Capacity Building in OBE teaching methods	168
12.		Incorporating experiential learning and digital pedagogy tools	152



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1. Stress Management and Leadership skills

Dated: 14/08/2018

The Department of Chemical Engineering of Sathyabama Institute of Science and Technology Organizes one day Guest Lecture, on "Stress Management and Leadership skills" at 14th August 2018. People are encountering stress, overwork, and the pressure of time constraints in their lives. Some stress is actually good for you because it inspires you to meet life's challenges. Too much ongoing stress causes an almost continuous activation of your body's stress-response system. The overexposure to cortisol and other stress hormones can increase your risk of obesity depression, memory impairment, and physical illness. It is important to recognize when we are in DISTRESS. This workshop will provide practical tips and techniques to help you achieve better results and health through the effective management of distress.

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Department of Chemical Engineering
School of Bio and Chemical Engineering
Guest Talk on 14th August 2018
"Stress Management and Leadership Skills"

Speaker
Mr. Balanarayan. G,
General Manager, Human Resources, TCS

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CHANCELLOR
Dr. MARIE JOHNSON,
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PRESIDENT

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PRO - VICE CHANCELLOR
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Dr. S.S. RAO, M.B.A., Ph.D.,
REGISTRAR
CONVENOR
Dr. S. SATHISH, M.E., Ph.D.,
HOD, CHEMICAL

EVENT COORDINATOR
Dr. D PRABU, M.S., Ph.D.,
Associate Professor

TECHNICAL COMMITTEE
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Dr.D.Venkatesan, Assistant Professor
Dr. J. Aravindkumar, Assistant Professor
Mr. Magesh, Assistant Professor



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2. First AID and Uses of Fire Extinguisher

Dated: 4th Dec to 6th Dec 2018

The IQAC along with Department of Chemical Engineering of Sathyabama Institute of Science and Technology Organized First aid and Fire extinguishing techniques for the technical staff and create awareness on safety 4th Dec to 6th Dec 2018. Sathyabama Institute of Science and Technology in association with in association with SEED for SAFETY, organized a Hands-on training in fire safety for its research scholars, students, faculty and non-teaching staff. Mr. A. Gokul Suresh, Director, Sri Mother Safety, Chennai, delivered a talk on the importance of Fire Safety and trained the participants on handling various fire extinguishers.

ABOUT SATHYABAMA Sathyabama Institute of Science and Technology (A Christian Minority Institution) was established in 1987 by Col. Dr. Jeppiaar. The institution's progress and contribution to the field of technical education for over three decades resulted in granting Deemed University status on 16th July, 2001. The Institute has been awarded as Category "A" University by MHRD, Government of India and accredited by NAAC with Grade "A" in the year 2017. Our motto is "TOGETHER FOR BETTER TOMORROW" and our mantra of Success is "LEARN TODAY and LEAD TOMORROW" ABOUT DEPARTMENT The department of chemical engineering was established in the year 1995. The department has undertaken various sponsored and collaborative research development projects funded by IGCAR, ISRO & MNRE. Synergise the efforts of the students and the faculty to evolve innovation engineering practices and teaching methodologies and generate an environment of continuous learning and research. Vision We empower the student community to maximize their potential for the development and transfer of technical competence in the field of Chemical Engineering through academic and research excellence extending service to the mankind. Mission M1: To produce socially responsible chemical engineers of high academic pursuit who will contribute to challenges and improvement of process industries worldwide. M2: To excel in research with an in-depth knowledge of core principles for providing solutions in process industries. M3: To enhance the experienced learning in collaboration with esteemed National and International Institutes/ Universities/ Industries. M4: To develop sustainable solutions for the societal needs.	ABOUT WORKSHOP The main goal the workshop to prevent injury and illness by educating safety to all lab technical. CHIEF PATRONS Dr. MARIAZEENA JOHNSON, B.E, MBA, M.Phil, Ph.D CHANCELLOR Dr. MARIE JOHNSON, B.E, MBA, M.Phil, Ph.D PRESIDENT ADVISORS Dr. SUNDAR MANOHARAN, Ph.D VICE CHANCELLOR Dr. T. SASIPRABA, M.E., Ph.D., PRO VICE CHANCELLOR Dr. S. S. RAO, M.B.A., Ph.D., REGISTRAR Dr. E. LOGASHANMUGAM, M.E., Ph.D., PRO VICE CHANCELLOR CONVENOR Dr. WILSON ARUNI, Ph.D., FAMPV. PRO VICE CHANCELLOR ORGANISING SECRETARIES Dr. S. SATHISH, M.E., Ph.D., HOD, CHEMICAL Dr. D. PRABU, M.S., Ph.D., Associate Professor	WORKSHOP On "First extinguishing and BBS" In Association with  NATIONAL SAFETY COUNCIL, INDIA 4th - 6th Dec 2018 Organized By DEPARTMENT OF CHEMICAL ENGINEERING & IQAC SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE UNIVERSITY) www.sathyabama.ac.in
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3. Technology and management for electronic product design

Date: 11/01.2019 to 12/01/2019

The Department of ECE conducted a workshop on technology and management for electronic product design. The course content included electronic circuit design, electronic board design and bring up processor-based system design. The main objective of this program is to acquire knowledge about the design of the electronic circuit and learn about the processor-based system design. At the end of this course was capable of imparting the know-how of the design and characterization of the components of an electronic circuit. Also, the works of the processor-based system design would thoroughly be acquainted with.



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SCHOOL OF ELECTRICAL AND ELECTRONICS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ORGANIZES WORKSHOP ON

Technology and Management for Electronic Product Design

Resource Person

Dr. M. Sugadev

Assistant Professor

Sathyabama Institute of Science and technology

Chief Patrons:

Dr Mariazeena Johnson

Chancellor

Dr Marie Johnson

President

Dr T Sasipraba

Vice Chancellor

Patrons:

Dr E Logashanmugam

Pro Vice Chancellor

Dr G Sundari

Director Administration

Convener

Dr N M Nandhitha

Dean, School of EE

Dr T Ravi

Head, Dept. of ECE

Organisers

Ms. S. Yogalakshmi, Assistant Professor

Date 11.1.2019 & 12.1.2019

Time 4.00pm to 6.00pm

Course Content

Electronic Circuit Design

Electronic Board Design and Bring up

Processor based System Design

4. Familiarization with various types of measuring instruments

Date: 28/06/18 to 29/06/18

The Department of ECE dynamically conducted a workshop on familiarization with various types of instrumentation. The course content included various topics regarding familiarization of electronic components, familiarization of testing instruments and commonly used tools, testing of electronic components, Interconnection method and soldering practice and printed circuit board. At the end of this course one would confidently say they are aware of various electronic components and instruments, and there is a visible enhancement of design related skills.



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SCHOOL OF ELECTRICAL AND ELECTRONICS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ORGANIZES WORKSHOP ON

Familiarization with various types of measuring Instruments

28.06.2018 to 29.06.2018 5.00pm to 7.00pm

Resource Person

Mr.G.Jagan

Assistant professor

Sathyabama Institute of Science and technology

Chief Patrons:

Dr Mariazeena Johnson

Chancellor

Dr Marie Johnson President

Ms Maria Bernadette Tamilarasi Vice President

Dr T Sasipraba Vice Chancellor

Patrons:

Dr E Logashanmugam

Pro Vice Chancellor

Dr G Sundari

Director Administration

Course Content

Familiarization of electronic components

Familiarization of testing instruments and commonly used tools

Testing of electronic components

Interconnection method and soldering practice

Printed circuit board

Convener

Dr N M Nandhitha Dean, School of EE

Dr T Ravi Head, Dept. of ECE

Organizer

Dr.S.Emalda Roslin, Professor/ECE



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5. DST – SERB Sponsored Five Days National Level Seminar on “Integration of Green Energy with Smart Grid through IOT”

Date: 19/06/2018 to 23/06/2018

Department of Electrical and Electronics Engineering organized DST – SERB Sponsored Five Days National Level Seminar on “Integration of Green Energy with Smart Grid through IOT from 19th June to 23rd June 2018. The theme of the seminar is “Navigating the Future Technologies in Smart Grid and Green Energy” covering a wide extent of critically vital sessions of Smart Grid and Green Energy Systems equally. Smart Grid and Green Energy Systems section will cover all the major and minor topics which help in finding solutions for Smart Grid and Green Energy Systems problems (Renewable Energy, Smart Energy Materials Sustainability and Development, Energy Recycling, sustainability, Green and Renewable Energy) and Green Technology and Green Energy with IOT.



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FIVE DAYS NATIONAL LEVEL SEMINAR ON

INTEGRATION OF GREEN ENERGY WITH SMART GRID THROUGH IOT (IGESGIOT -18)

19.06.2018 to 23.06.2018

Registration Form

Name :
Designation :
Organization :
Qualification :
Address :

Phone No :
E-mail :

Accommodation : Yes / No

Participant Category : ☐ Industry ☐ Academy
☐ Research Scholar ☐ Student

Registration Fee is paid in the form of Cash / DD

Amount :

DD No : Date :

Bank Name & Branch :

Date : Signature :

Note: DD should be drawn in favour of
Sathyabama Institute of Science and Technology,
payable at Chennai.

Address for correspondence

Dr. S. D. Sundarsingh Jebaseelan,
Professor, Department of EEE,
Sathyabama Institute of Science & Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 119

Contact No. : 044 - 24503163
Mobile: 9444447783 (After 4 PM)
Email : lgesgiot@gmail.com

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Founder Chancellor

CHIEF PATRONS
Dr. Remibai Jeppiaar
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Director (Administration)
Dr. G. Sundari M.E., Ph.D.,
Dean (Student Affairs)
Dr. N.M.Nandhitha M.E., Ph.D.,
Dean, School of EEE

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Dr.S.D.Sundarsingh Jebaseelan, Prof. EEE

Co - Convenors

Dr. R. Vanitha, Prof. EEE
Dr. D. Godwin Immanuel, Prof. EEE

Coordinators

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Mrs.Kavitha, Asst.Prof. EEE
Dr.G.Nagarajan, Prof. EEE
Mr.D.N.S.Ravikumar, Asst.Prof. EEE



DST - SERB
SPONSORED

FIVE DAYS NATIONAL LEVEL SEMINAR ON

INTEGRATION OF GREEN ENERGY WITH SMART GRID THROUGH IOT (IGESGIOT -18)

19.06.2018 to 23.06.2018



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DEPARTMENT OF EEE
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Chennai, Tamil Nadu 600119.

Ranked By NIRF 2018
In Following Categories:

37
In Engineering

45
In Universities

68
In Overall



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6. FDP on Creative Thinking

Date: 19/06/2018 to 23/06/2018

The IQAC held a Faculty Development Program (FDP) with the theme "**Creativity Thinking**" from **19/06/2018 to 23/06/2018**. The resource persons began by outlining the reasons why education is important for encouraging inventive and creative thinking. The emphasis is placed on the development of thinking and cognitive skills since, according to the speakers, creativity thinking in education is more about the process than the product. They emphasized that teachers should take advantage of the proliferation of new media and technologies that students use on a daily basis and that may be further utilized in inventive and creative ways. To capture the interest of the students, teachers must use innovative strategies and look for fresh ideas, problems, and procedures. They also concentrated on applying techniques, which are the key factors play an important role in grounding for creativity and innovation to a thriving environment, proposing a series of central factors which can support the shift towards more creative and innovative education.



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FDP ON CREATIVE THINKING

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)



DATE: 6/02/2019 - 8/02/2019 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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7. Workshop on Innovative pedagogy

Date: 05/09/2018 to 08/09/2018

IQAC conducted a workshop on Innovative pedagogy from 05/09/2018 to 08/09/2018. The major goals of the events are to promote pedagogical innovation at the grassroots level and exchange knowledge on teaching and learning in higher education. The programs are designed based on a thorough examination and analysis of patterns and experiences from the past. To put it simply, effective teaching tactics that support social and academic achievement for all students must incorporate difficult subjects, highly qualified experts, tried and true concepts, and transformative approaches with inclusive principles.

The poster features the Sathyabama Institute of Science and Technology logo at the top, followed by the text "SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE A UNIVERSITY) Accredited with 'A' grade by NAAC www.sathyabama.ac.in". Below this is the title "WORKSHOP ON INNOVATIVE PEDAGOGY" in large, bold, pink letters. The text "Organized by INTERNAL QUALITY ASSURANCE CELL (IQAC)" is centered below the title. A horizontal line of icons representing various educational concepts (graduation cap, globe, book, lightbulb, open book, speech bubble, glasses, etc.) is shown. Below the icons, the word "PEDAGOGY" is written in large, bold, white letters. The bottom section of the poster shows a desk with two laptops, a watercolor palette, a globe, a smartphone, and other educational items. The text "DATE: 5/09/2018 - 8/09/2018 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY" is displayed. At the bottom, the names of the patrons are listed: Dr. Mariazeena Johnson (Chancellor), Dr. Maria Johnson (President), and Dr. T. Sasipraba (Vice Chancellor).

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**WORKSHOP ON
INNOVATIVE PEDAGOGY**

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)

PEDAGOGY

DATE: 5/09/2018 - 8/09/2018 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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8. FDP on Evaluating Programme Educational Objectives and programme Outcomes

Dated: 01/04/2019 to 03/04/2019

IQAC with the schools organized **FDP on Evaluating Programme Educational Objectives and programme Outcomes on 01/04/2019 to 03/04/2019**. The speakers advised the faculties to work hard to offer top-notch instruction while preparing students for a range of careers in academia, business, and the construction sector. By applying outcome-based education, the thorough and cutting-edge course materials and teaching strategies aim to broaden the horizons of learning and cultivate a curious mind. Students receive training to become multi-skilled professionals with the emotional, intellectual, and mental strength to succeed. The Department works hard to uphold its commitment to offering high-quality education, as evidenced by the evaluation of the Programme Educational Objectives (PEOs) and Programme Outcomes (POs) of both programmes. By evaluating the accomplishment of PEOs and POs for everyone, changes made to the curriculum, delivery, and evaluation match the demands of the stakeholders (students, parents, alumni, employers, and industry).



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EVALUATING PROGRAMME EDUCATIONAL OBJECTIVES AND PROGRAMME OUTCOMES

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)



DATE: 01/04/2019 - 03/04/2019 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

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Dr. T. Sasipraba
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9. Faculty Induction Program

Date: 23/07/2018/ - 27/07/2018

IQAC regularly conducts Faculty Induction Program. In order to assist new educators in understanding their roles and obligations as faculty members, the faculty induction programme was created by IQAC from 23/07/2018/ - 27/07/2018. They were able to become more familiar with the structure, operation, governance, rules, regulations, and professional expectations of the institution. The induction program helped them explore pedagogical processes - aims of higher education, curriculum, instructional planning, classroom management and transaction, use of resources and assessment. The speaker advised to the new faculties to recognize the importance of self-development, socio-emotional development of students and the importance of nurturing ethics and values in higher education



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FACULTY INDUCTION PROGRAM

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)



DATE: 23/07/2018 - 27/07/2018 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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10. Enhancing Leadership and Communication Skills

Date: 08/11/2018/ - 09/11/2018

IQAC held the FDP on **Enhancing Leadership and Communication Skills on 08/11/2018/ - 09/11/2018.**

This programme for faculty development raise participants' knowledge of their communication skills' advantages and weaknesses. Encourage individuals to speak with assurance while leveraging their unique presentational skills. Assist participants in developing succinct, engaging messages that inspire action. Assist participants in creating a Strategic Leadership Communication Plan that boosts initiatives, projects, and business outcomes. The speakers suggested the participants by practicing they can improve their speaking and listening abilities. Create a methodical, constructive approach to leadership communication in team-based work environments was focused on this session.



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SCHOOL OF ELECTRICAL AND ELECTRONICS

DEPARTMENT OF

ELECTRONICS & COMMUNICATION ENGINEERING

ORGANIZES WORKSHOP ON

ENHANCING LEADERSHIP & COMMUNICATION SKILLS

Date: 8.11.2018 to 9.11.2018

Time: 3.00pm to 5.00pm

Resource Person

Dr. E. LOGASHANMUGAM M.E.,Ph.D.,

Pro Vice Chancellor

Dr.G.Sundari M.E.,Ph.D.,

Director Administration

Chief Patrons

Dr Mariaveena Johnson

Chancellor

Dr Marie Johnson

President

Dr T Sasipraba

Vice Chancellor

Patrons

Dr E Logashanmugam

Pro Vice Chancellor

Dr G Sundari

Director Administration

Convenor

Dr N M Nandurtha

Dean, School of EE

Dr T Paul

Head, Dept. of ECE

Organisers

Mr Mathan N, Asst. Prof.

Mr Jayaraj K T, Asst. Prof.

Course Content

- Merger and acquisition (M&A)
- Measure the success of a merger or acquisition
- One's leadership style impact the M&A process
- Leaders best help their employees navigate a merger or acquisition
- Improve my leadership and communication skills?
- Three main leadership communication skills



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11. Capacity Building in OBE teaching methods

Date: 11/08/2018/ - 12/08/2018

IQAC held a faculty development event on **Capacity Building in OBE teaching methods on 11/08/2018/ - 12/08/2018**. The program's objective was to introduce capacity building technique which is frequently employ while developing an OBE syllabus. The OBE follow a procedure in order to create a learning environment that encourages the learning activities required to attain the desired learning outcomes. The speakers focused on the process by which a student constructs meaning through appropriate learning activities and the alignment is achieved when all components of the teaching system, especially the methods of instruction and the assessment tasks, match the presumptive learning activities in the intended learning environment.

The poster is for a workshop titled "CAPACITIVE BUILDING IN OBE TEACHING METHODS". It is presented by the School of Electrical and Electronics, Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology. The event is scheduled for 11.8.2018 to 12.8.2018, from 04:00 pm to 06:00 pm. The Chief Guest is Dr. S. Prabhu, Professor at Vellore Institute of Technology, and Dr. M. Premkumar, Principal at Paavai Engineering College. The poster also lists Chief Patrons, Patrons, the Convener, and the Course Content.

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SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Presents Workshop on
CAPACITIVE BUILDING IN OBE TEACHING METHODS

CHIEF GUEST
Dr. S. Prabhu, Professor, Vellore Institute of Technology
Dr. M. Premkumar, Principal, Paavai Engineering College

DATE: 11.8.2018 to 12.8.2018
TIME: 04:00 pm to 06:00 pm

Chief Patrons
Col. Dr. Jeppiaar, M.A., B.L., Ph.D., Founder Chancellor, Sathyabama, Chennai.
Dr. Mariateena Johnson, Pro-Chancellor, Sathyabama, Chennai.
Dr. Marie Johnson, Vice President, Sathyabama, Chennai.

Patrons
Dr. E. Logashanmugam, M.E., Ph.D., Dean-Staff Affairs
Dr. G. Sundari, M.E., Ph.D., Dean-Student Affairs
CONVENER
Dr. N. M. Nanditha, Head, Dept. of ECE

Course Content
♦ Focus of OBE classroom instruction
♦ Importance of using OBL in the classroom
♦ Two types of outcomes in outcome based education
♦ Impact of OBE in the curriculum implementation
♦ Types of outcomes
♦ Benefits of OBE to the students



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12. Incorporating experiential learning and digital pedagogy tools

Date: 25/08/2018/ - 27/08/2018

The school of Electrical and Electronics and IQAC conducted a FDP on **Incorporating experiential learning and digital pedagogy tools on 25/08/2018/ - 27/08/2018**. Based on the program objective the idea of learning by experience is not new in college classrooms. The foundation of learning theories that emphasize "learning via experience" or "learning by doing" has been focused by the speakers. The idea of experiential education, which emphasizes critical thinking and problem solving over memorization and rote learning. Additionally, they emphasized that meaningful learning depends on real learning experiences. He is also well recognized for his Learning Style Inventory (LSI), which is used today in many fields to identify preferred learning styles. The student is consequently a crucial component of experiential learning, and learning occurs (the knowledge acquired) as a result of being intimately immersed in this instructional style.



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SCHOOL OF ELECTRICAL AND ELECTRONICS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ORGANIZES WORKSHOP ON

INCORPORATING EXPERIENTIAL LEARNING AND DIGITAL PEDAGOGY TOOLS

25.08.2018 to 27.08.2018 4.00pm to 6.00pm

Resource Person
Dr. K. Vasanth
Professor
Vidya Jyothi Institute of Technology

Chief Patrons:
Dr. Mariazeena Johnson
Chancellor
Dr. Marie Johnson President
Dr. T. Sasipraba
Vice Chancellor

Patrons:
Dr. E. Logashanmugam
Pro Vice Chancellor
Dr. G. Sundari
Director Administration

TOPICS TO BE COVERED

- Digital Initiative in India
- Creation of LMS
- Teaching with Moodle
- Online assessment tools
- Interactive content creation
- Developing innovation tool kit for Engineering

Convener
Dr. N. M. Nandhitha Dean, School of EE
Dr. T. Ravi Head, Dept. of ECE
Organiser
Dr. V. Balamurugan, Associate Professor/ECE



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Academic Year 2017-2018					
List of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during 2017-2018					
Program No.	Year	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organized for teaching staff	Title of the administrative training program organized for non-teaching staff	No. of participants
1.	2017-2018	12/09/2017 to 16/09/2017	Preparing Effective Course Plans for Outcome Based Teaching and Learning	---	345
2.		12/06/2017 to 13/06/2017	Two-day workshop on Lab safety	Two-day workshop on Lab safety	78
3.		11/07/2017 to 13/07/2017	Assessment on Typing and Documentation Skills	Assessment on Typing and Documentation Skills	85
4.		12/03/2018 to 16/03/2018	Programming PIC Microcontroller	Programming PIC Microcontroller	55
5.		07/08/2017 to 11/08/2017	Hands on workshop of microcontroller programming skill development	Hands on workshop of microcontroller programming skill development	72
6.		25-10-2017 to 27-10-2017	PCB Designing using KiCAD workshop	PCB Designing using KiCAD workshop	65
7.		07/09/2017 to 08/09/2017	Simulation and Analysis of Power System using Mipower"	Simulation and Analysis of Power System using Mipower"	48
8.		22/11/2017/ - 24/11/2017	Quality Assurance and Sustenance	---	278
9.		21/03/2018/ - 23/03/2018	Planning and delivering the lessons in an Outcome Based Education	---	325
10.		10/07/2017/ - 11/07/2017	FDP on Innovative Presentation Skill	---	178
11.		16/05/2018-18/05/2018	Faculty Development Program on Outcome Based Education	---	256



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Professional Development /Administrative Training Programs Organizedby the Institution for Teaching and Non-Teaching Staff

Annual Report 2017-18

In the academic year 2017-18, the Institution has organized **11** programmes for the benefit of faculty and other staff of the Institution. Various programmes like Preparing Effective Course Plans for Outcome Based Teaching and Learning, Two-day workshop on Lab safety, Assessment on Typing and Documentation Skills, Programming PIC Microcontroller, Hands on workshop of microcontroller programming skill development, PCB Designing using KiCAD workshop, Simulation and Analysis of Power System using Mipower”, Quality Assurance and Sustenance, Planning and delivering the lessons in an Outcome Based Education, FDP on Innovative Presentation Skill, Faculty Development Program on Outcome Based Education etc. were organized to upgrade the technical and administrative skills of teaching and non-teaching staff. The objective was to create awareness on the importance of a quality education system, its sustenance, and enrichment by enhancing their administrative capacity that includes leadership, ability to handle challenges, crisis management and creating opportunities for others. In order to improve systemic quality assurance and effective governance, the Internal Quality Assurance Cells have made changes to the organizational structures. The program's main goal was to instill in the institutional culture the idea that quality assurance is a requirement and cannot be compromised. The contribution of IQAC to raising and improving everyone's quality of life on campus. Thus, the IQAC serves as a crucial agent for quality management and maintenance. It guarantees ongoing and thorough evaluation of quality improvement activities while allocating responsibility for quality maintenance to each HEI stakeholder. A thorough grasp of the areas where quality sustenance may suffer from neglect, apathy, and a lack of passion for excellence is necessary for assuring and ensuring quality. The IQAC is an ongoing think tank and problem-solving unit, which collaborates with administration, instructors, students, and support staff to foster quality, which is then maintained. The Lab Safety Protocols was also organized to train the non-teaching staff and students. The various events are summarized in the following table.



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List of Annual Programs for the Academic Year 2017-18

Program No.	Year	Name of the Event	No. of Participants
1.	2017-2018	Preparing Effective Course Plans for Outcome Based Teaching and Learning	345
2.		Two-day workshop on Lab safety	78
3.		Assessment on Typing and Documentation Skills	85
4.		Programming PIC Microcontroller	55
5.		Hands on workshop of microcontroller programming skill development	72
6.		PCB Designing using KiCAD workshop	65
7.		Simulation and Analysis of Power System using Mipower"	48
8.		Quality Assurance and Sustenance	278
9.		Planning and delivering the lessons in an Outcome Based Education	325
10.		FDP on Innovative Presentation Skill	178
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1. Preparing Effective Course Plans for Outcome Based Teaching and Learning

Dated: 12th September 2017 to 16th September 2017

The IQAC along with the Department of Chemical Engineering of Sathyabama Institute of Science and Technology Organizes one-week FDP on "Preparing effective course plans for outcome-based teaching and learning" from 12th September 2017 to 16th September 2017. This FDP was planned to introduce ICT tools for effective course plans for OBE in chemical engineering science. About 250 participants from national and international have participated the event. The development of professional graduates requires an independent practice consists of two essential processes. First, a set of predominantly educational requirements that are satisfied through an accredited education programme. Second, the graduates made follow a process of training, experience and further learning that develops the competence required in their profession. To incorporate this system at educational institute, there is a need to have a well-developed mechanism of teaching learning process which is facilitated by The NAAC and NBA. SIST is organizing one-week FDP on "Outcome Based Education". The FDP will focus on outcome-based education, teaching learning practices at institute, PEO, PO, PSO and CO formulation, taxonomy of learning, categories of knowledge, computation of CO and PO, few important aspect of SAR report and other related component of outcome-based education too. Of late academic practices are changing and now it becomes need of hour to focus on outcome-based education. In the process of implementing OBE at educational institute certain level of awareness is mandatory. The FDP will focus on all pertinent aspect of OBE along with accreditation process.



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ABOUT DEPARTMENT

The department of chemical engineering was established in the year 1995. The department has undertaken various sponsored and collaborative research development projects funded by IGCAR, ISRO & MNRE. Synergise the efforts of the students and the faculty to evolve innovation engineering practices and teaching methodologies and generate an environment of continuous learning and research..

Vision

We empower the student community to maximize their potential for the development and transfer of technical competence in the field of Chemical Engineering through academic and research excellence extending service to the mankind.

Mission

M1: To produce socially responsible chemical engineers of high academic pursuit who will contribute to challenges and improvement of process industries worldwide.

M2: To excel in research with an in-depth knowledge of core principles for providing solutions in process industries.

M3: To enhance the experienced learning in collaboration with esteemed National and International Institutes/ Universities/ Industries.

M4: To develop sustainable solutions for the societal needs.

ABOUT WORKSHOP

In the present learner oriented system, the focus is on the outcome based teaching learning process. A well-defined course plan is the core ingredient to make this process effective. A course plan helps teachers in equipping themselves with a clear direction and plan of action for the course. For the learner, the course plan gives a clear idea of the contents of the course, the objectives, outcome expected and the assessment/ evaluation etc.

OBJECTIVE

To enable the participants to write an effective course plan which meets all the requirements according to the standards set by the University and other regulatory bodies.

CHIEF PATRONS

Dr . MARIAZEENA JOHNSON,

B.E, MBA, M.Phil, Ph.D

PRO - CHANCELLOR

Dr . MARIE JOHNSON,

B.E, MBA, M.Phil, Ph.D

PRESIDENT

ADVISORS

Dr. K.V.NARAYANAN, M.E., Ph.D.,

VICE CHANCELLOR

Dr. S.S. RAO, M.B.A., Ph.D.,

REGISTRAR

CONVENOR

Dr. ANIMA NANDA, Ph.D.,

DEAN

ORGANISING SECRETARIES

Dr. D.JOSHUA AMARNATH, Ph.D.,

HOD, CHEMICAL

Dr. D. PRABU, M.S., Ph.D.,

Associate Professor

WORKSHOP

On

**"Preparing Effective Course
Plans for Outcome Based
Teaching and Learning"**

In Association with

Internal Quality Assurance Cell



12th - 16th SEPT 2017

Organized

By

**DEPARTMENT OF CHEMICAL
ENGINEERING**

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2. Two-day workshop on Lab safety

Dated: 12th June 2017 to 13th June 2017

The Department of Chemical Engineering of Sathyabama Institute of Science and Technology Organizes two-day workshop on “Lab safety” from 12th June 2017 to 13th June 2017. This workshop provides an in - depth knowledge and fundamentals of lab safely and effective lab safety programs. This workshop focuses laboratory hazards and methods to minimize the injury, illness and accidents. Live demos were shown and discuss how to handle chemicals. This workshop was conducted for teaching staffs around 40 members who were come under the various domains. Lab safety workshop helps to know the safety precautions and rules.



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ABOUT WORKSHOP

The main goal the workshop to prevent injury and illness by educating safety to all lab technical.

OBJECTIVE

Safe Disposal and Recycling of Laboratory Chemical Wastes. Also, this workshop will review chemical hazards, chemical hygiene, personal protective equipment and ventilation in the lab.

CHIEF PATRONS

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PRO CHANCELLOR

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REGISTRAR

CONVENOR

Dr. A.ANNAM RENITA, M.Tech., Ph.D.,
HOD, CHEMICAL

ORGANISING SECRETARIES

Dr.S.SATHISH, M.E., Ph.D.,
Associate Professor

WORKSHOP

On
"LAB SAFETY"

In Association with



12th -13th JUNE 2017

Organized
By

**DEPARTMENT OF CHEMICAL
ENGINEERING**

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3. Assessment on Typing and Documentation Skills

Dated: 11th July 2017 to 13th July 2017

The Department of Chemical Engineering of Sathyabama Institute of Science and Technology Organizes three days assessment for technical staff on “Assessment on Typing and Documentation skills” from 11th July 2017 to 13th July 2017. The event focused on assessing the documents typing skill. In addition, the event also covers documentation skills to be followed for academic accreditation programs. The event covers the formatting techniques and advanced tools used in assessment on typing and documentation skills. Around 60 participants from various domains were participated.



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M3: To enhance the experienced learning in collaboration with esteemed National and International Institutes/ Universities/ Industries.

M4: To develop sustainable solutions for the societal needs.

ABOUT WORKSHOP

The major developmental goal of the Keyboarding, Reading, Spelling (KRS) program was to teach reading and language skills to non teaching staff members. A pre-post comparison group design was used to assess the KRS program on each of four outcomes (reading, language, keyboarding, and computer operations).

CHIEF PATRONS

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Dr. K.V.NARAYANAN, M.E., Ph.D.,

VICE CHANCELLOR

Dr. S.S. RAO , M.B.A., Ph.D.,

REGISTRAR

CONVENOR

Dr. ANIMA NANDA, Ph.D.,

DEAN

ORGANISING SECRETARIES

Dr. D.JOSHUA AMARNATH , Ph.D.,

HOD, CHEMICAL

Dr. A.Annam Renita, M.Tech., Ph.D.,

Professor

WORKSHOP

On

**"Assessment on Typing
and Documentation Skills"**



11th - 13th JULY 2017

**Organized
By**

DEPARTMENT OF

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)





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4. Programming PIC Microcontroller

Date: 12-03-2018 to 16-03-2018

The Department of ECE conducted a workshop on "Programming PIC Microcontroller". The course content is basics of Microcontroller Programming, Assembly Language and Microcontroller Commands. This five-day workshop guides an individual in Identifying and working on PIC microcontroller by understanding it from the very base of assembly language to microcontroller commands and explore the benefits of having them. At the end of this course the people who are attending this workshop can really get a clear sense in the working of the assembly language and can get great clarity in making decision while coding a Microcontroller.

The poster features the Sathyabama Institute of Science and Technology logo at the top left. The main title 'SATHYABAMA' is in large, bold, yellow letters, followed by 'INSTITUTE OF SCIENCE AND TECHNOLOGY' and '(DEEMED TO BE UNIVERSITY)' in smaller yellow text. Below this, it says 'Accredited with Grade "A" by NAAC'. The text 'SCHOOL OF ELECTRICAL AND ELECTRONICS' and 'DEPARTMENT OF ELECTRONICS AND COMMUNICATION' are in bold yellow letters. The workshop title 'Programming PIC Microcontrollers' is in bold black letters, with the dates '12.03.2018 to 16.03.2018' and time '4.00pm to 6.00pm' in blue. The resource person is 'Dr.M.R. Ebenezar Jebarani', an Associate professor at Sathyabama Institute of Science and technology. The chief patrons are Dr. Mariazeena Johnson (Chancellor) and Dr. Marie Johnson (President). Ms. Maria Bernadette Tamilarasi is the Vice President, and Dr. T. Sasipraba is the Vice Chancellor. The patrons are Dr. E. Logashanmugam (Pro Vice Chancellor) and Dr. G. Sundari (Director Administration). The course content includes 'BASICS OF MICROCONTROLLER PROGRAMMING', 'ASSEMBLY LANGUAGE', and 'MICROCONTROLLER COMMANDS'. The convener is Dr. N. M. Nandhitha (Dean, School of EE) and Dr. T. Ravi (Head, Dept. of ECE). The organizer is Dr. S. Lakshmi (Associate Professor/ECE).

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SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ORGANIZES WORKSHOP ON

Programming PIC Microcontrollers
12.03.2018 to 16.03.2018 4.00pm to 6.00pm

Resource Person
Dr.M.R. Ebenezar Jebarani
Associate professor
Sathyabama Institute of Science and technology

Chief Patrons:
Dr Mariazeena Johnson
Chancellor
Dr Marie Johnson President
Ms Maria Bernadette Tamilarasi Vice President
Dr T Sasipraba Vice Chancellor

Patrons:
Dr E Logashanmugam
Pro Vice Chancellor
Dr G Sundari
Director Administration

Course Content
BASICS OF MICROCONTROLLER PROGRAMMING
ASSEMBLY LANGUAGE
MICROCONTROLLER COMMANDS

Convener
Dr N M Nandhitha Dean, School of EE
Dr T Ravi Head, Dept. of ECE
Organiser
Dr. S.Lakshmi, AssociateProfessor/ECE



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5. Hands on workshop of microcontroller programming skill development

Date: 07-08-2017 to 11-08-2017

The Department of ECE conducted a “Hands on workshop of microcontroller programming skill development”. The course content is Embedded systems, C programming for 8051, Embedded C, Counters and series communication. The main objective of this workshop is to spread knowledge on embedded systems, embedded C and C programming for 8051 to help the students to participate in more projects Independently. At the end of this course, one would be capable to have good understanding on embedded systems concepts and its applications. After completion of embedded course, students will design, implement, integrate, and develop software & hardware applications used for advanced embedded systems.



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SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ORGANIZES WORKSHOP ON

**HANDS ON WORKSHOP OF MICROCONTROLLER
PROGRAMMING SKILL DEVELOPMENT**

Resource Person
Dr.V.Vijaya Baskar
Professor
Sathyabama Institute of Science and technology

07.08.2017 to 11.08.2017
3.00pm to 6.00pm

Chief Patrons

Dr. Marie Johnson, B.E., MBA., M.Phil., Ph.D.,
Vice President
Dr. Mariazeena Johnson, B.E., MBA., M.Phil., Ph.D.,
Pro-Chancellor,

Patrons:
Dr.E.Logashanmugam Dean-Staff Affairs
Dr.G.Sundari Dean-Student Affairs

Convener
Dr N M Nandhitha
Dean, School of EE
Dr.K.V.Karthikeyan ,Head. Dept.of ECE

Organizer
Mr Immanuel Rajkumar, Asst. Professor/ECE

Course Content

•Introduction to Embedded System. •Introduction to C programming for 8051. •Starting with embedded systems.	•Branching and Looping. •Introduction to Embedded C. •Timers and Counters, Serial Communication
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6. PCB Designing using KiCAD workshop

Date: 25-10-2017 to 27-10-2017

The Department of ECE conducted a "PCB designing using KiCAD workshop" on 25.10.2017 to 27.10.2017. The main objective of this program is to help technical staffs to design and fabricate PCB for prototyping as well as in Industrial Production in KiCAD software environment. At the end of this course one would be capable to learn and understand how to create and fabricate a PCB using KiCAD environment. It will also provide knowledge in Gerber file generation and PCB Fabrication.

The poster is for a workshop titled "PCB DESIGNING USING KICAD WORKSHOP" organized by the School of Electrical and Electronics, Department of Electronics and Communication, Sathyabama Institute of Science and Technology. It features the Sathyabama logo at the top, followed by accreditation logos (nir, NBA, AICTE, STARS). The main title is in large bold letters. Below it, the resource person is listed as Dr. M. Sugadev, Assistant Professor. The dates and time are 25.10.2017 to 27.10.2017, 4.00pm to 6.00pm. The poster also lists Chief Patrons (Dr. Marie Johnson, Vice President and Dr. Mariazeena Johnson, Pro-Chancellor), Patrons (Dr. E. Logashanmugam and Dr. G. Sundari), the Convener (Dr. N. M. Nandhitha, Dean, School of EE), and the Organizer (Dr. T. Ravi, Asst. Professor/ECE). The course content includes Introduction to KICAD, Schematic Entry in detail, Footprints, Gerber file generation, and PCB Fabrication. The KiCad logo is also present on the left side.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ORGANIZES WORKSHOP ON

PCB DESIGNING USING KICAD WORKSHOP
Resource Person
Dr. M. Sugadev Assistant Professor
Sathyabama Institute of Science and technology

25.10.2017 to 27.10.2017
4.00pm to 6.00pm

Chief Patrons
Dr. Marie Johnson, B.E., MBA., M.Phil., Ph.D.,
Vice President
Dr. Mariazeena Johnson, B.E., MBA., M.Phil., Ph.D.,
Pro-Chancellor

Patrons:
Dr. E. Logashanmugam Dean-Staff Affairs
Dr. G. Sundari Dean-Student Affairs

Convener
Dr. N. M. Nandhitha
Dean, School of EE
Dr. K. V. Karthikeyan, Head, Dept. of ECE

Organizer
Dr. T. Ravi, Asst. Professor/ECE

Course Content
• Introduction to KICAD.
• Schematic Entry in detail
• Footprints
• Gerber file generation
• PCB Fabrication



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7. Simulation and Analysis of Power System using Mipower”

Date: 7th September 2017 and 8th September 2017

Department of Electrical and Electronics Engineering in association with Power Research & Development Consultants organized Two Day Faculty Development Programme on Simulation and Analysis of Power System using MIPOWER on 7th September 2017 and 8th September 2017. The contemporary power system is a complex electrical network. Planning and operation of such a system under existing conditions, as well as its improvement and future expansion requires an in-depth understanding of the system,” explained the organizers. Calculation of operating limits, planning studies for assessment of new generation and load growth, performance assessments of system integrity protection schemes – all of these depend on an approximate mathematical modeling of the generation, transmission and distribution system components,” they underlined.



SATHYABAMA UNIVERSITY

(Established under Section 3 of the UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119, Tamil Nadu, India.



Two Day Faculty Development Programme on

“SIMULATION AND ANALYSIS OF POWER SYSTEM USING MIPOWER”

September 7th & 8th 2017

ORGANIZED BY
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
SCHOOL OF ELECTRICAL & ELECTRONICS ENGINEERING

In association with
Power Research & Development Consultants Pvt. Ltd, Bangalore





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8. Quality Assurance and Sustenance

Date: 22/11/2017/ - 24/11/2017

For its faculties, the IQAC held an FDP programme on Quality Assurance and Sustenance from November 22 through November 24, 2017. The presenters' presentations on various Quality Sustenance modules and methods assume that any workplace has a pertinent and well-organized system of governance in place. In order to improve systemic quality assurance and effective governance, the Internal Quality Assurance Cells have made changes to the organizational structures. The program's main goal was to instill in the institutional culture the idea that quality assurance is a requirement and cannot be compromised. The contribution of IQAC to raising and improving everyone's quality of life on campus. Thus, the IQAC serves as a crucial agent for quality management and maintenance. It guarantees ongoing and thorough evaluation of quality improvement activities while allocating responsibility for quality maintenance to each HEI stakeholder. The presenters also noted that the IQAC serves as a monitoring body that promotes and supports quality maintenance through quality improvement. A thorough grasp of the areas where quality sustenance may suffer from neglect, apathy, and a lack of passion for excellence is necessary for assuring and ensuring quality. The IQAC is an ongoing think tank and problem-solving unit, which collaborates with administration, instructors, students, and support staff to foster quality, which is then maintained.



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FDP ON QUALITY ASSURANCE AND SUSTENANCE

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)



DATE: 22/11/2017- 24/11/2017 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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9. Planning and delivering the lessons in an Outcome Based Education

Date: 21/03/2018/ - 23/03/2018

On March 21 to March 23, 2018, IQAC hosted a faculty development session on planning and delivering lessons in an outcome-based education. The program's goal was to teach constructive alignment, which is the method we often use to create an OBE syllabus. In order to build a learning environment that supports the learning activities necessary to achieve the intended learning outcomes, the OBE follow a process. The term "constructive" refers to the process by which the student creates meaning through pertinent learning activities. The teacher's actions are referred to as the "alignment" aspect. The key to alignment is that all of the elements of the teaching system, particularly the methods of instruction and the assessment tasks, correspond to the assumed learning activities in the desired results.



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PLANNING AND DELIVERING THE LESSONS IN AN OUTCOME BASED EDUCATION

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)



DATE: 21/03/2018 - 23/03/2018 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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10. FDP on Innovative Presentation Skill

Date:10/07/2017/ - 11/07/2017

On July 10–11, 2017, IQAC held a faculty development programme on “**Innovative Presentation Skill**”. The institution supports teachers' ongoing professional development. The goal of this training was to improve teachers' abilities while also preparing them for the evolving communication styles required in 21st-century classrooms. Experts in the domains of digital technologies and communication skills, respectively, led the programme. The presenters stressed the use of cutting-edge digital technologies by instructors to improve and supplement their in-class instruction. Additionally, the speakers gave practical training to the participants, so they could use the digital tools and become proficient with them. All participants received training and fresh perspectives from the programme,



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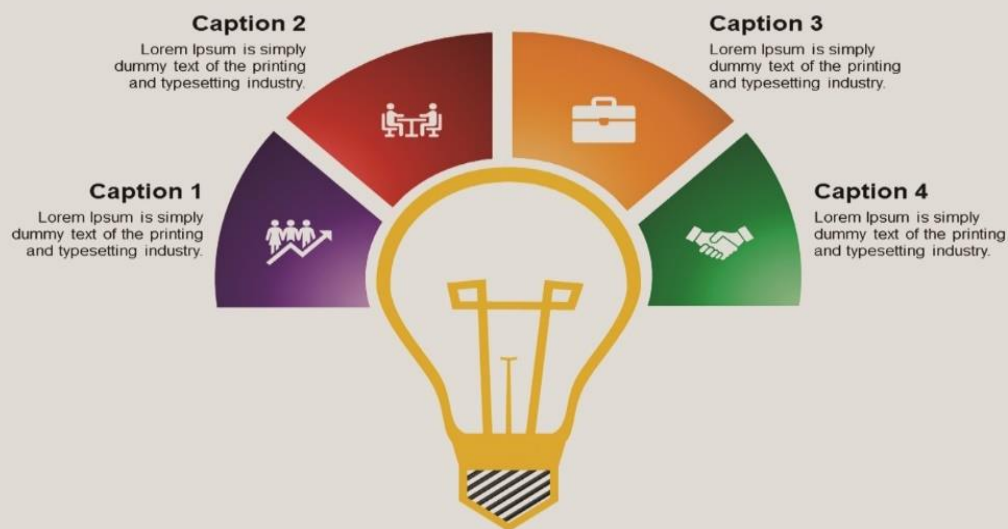
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INNOVATIVE PRESENTATION SKILL

Organized by
INTERNAL QUALITY ASSURANCE CELL
(IQAC)



DATE: 10/07/2017 - 11/07/2017 | TIME: 9:30 AM | VENUE: CENTRAL LIBRARY

PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Maria Johnson
President

Dr. T. Sasipraba
Vice Chancellor



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11. Faculty Development Program on Outcome Based Education

Date: 16/05/2018-18/05/2018

The major focus of the department for the academic year 2017 – 18 is towards pedagogical teaching methods and practicing OBE. Hence two workshops on pedagogical teaching dated 03.05.2017 to 04.05.2017 and 25.04.2018 to 27.04.2018 were organized and one OBE based workshop has been organized. On an average about 145 members have participated in these workshops. As an add-on the workshop towards communication skill development is also organized.

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SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ORGANIZES WORKSHOP ON

OUT COME BASED ACCREDITATION PROGRESS

Resource Person
Dr. Anima Nanda
Professor and Director-IQAC

Chief Patrons:
Dr. Mariazeena Johnson
Chancellor
Dr. Marie Johnson
Vice President
Dr. T. Sasipraba
Vice Chancellor

Patrons:
Dr. E. Logashanmugam
Pro Vice Chancellor
Dr. G. Sundari
Director Administration

Course Content
Current OBE Implementation
Relationship between PEOs and PLOs
Course Learning Outcomes Tool

Date: 16.05.2018 to 18.05.2018
Time : 4.00pm to 6.00pm

Convener
Dr. N. M. Nandhitha
Dean, School of EE
Dr. T. Ravi
Head, Dept. of ECE

Organisers
Dr. R. M. Joany, Asst. Prof./ECE