



FDP/Workshop/Conferences Organized Details

2022 -23

Sl.No	Name & Department	Title	Funding Agency	Date	Amount (Rs)	No of Participants
1.	Dr. P. Ezhilarasi Dr. Kovendan AKP Dept of ECE	EC8702- AD HOC and wireless sensor networks	Anna University	27/06/2022- 27/06/2022	30,000	60
2	Dr. Jayarama Pradeep Dr. T.D. Sudakar Dept of EEE	Short Term Training Program (STTP) On Opportunities, Scope and Challenges in DC Microgrids	ISTE	04/07/2022 -08/07/2022	35,000	45
3	Dr.M.Venmathi Dr.V.Krishnakumar Dept of EEE	Smart Grid and Renewable Energy Sources	NITTTR	29/08/2022 -02/09/2022	-	49
4	Dr.Jayarama Pradeep Dr. P. Anbarasan Dept of EEE	MATLAB - Artificial Intelligence and Optimisation Techniques	NITTTR	21/11/2022 to 25/11/2022	-	48
5	Dr.R Avudaiammal, Dr. J Martin Leo Manickam, Dept of ECE	Diverse applications of research paradigms in AI	ATAL FDP- AICTE	05/12/2022- 16/12/2022	3,00,000	50

6	Dr. D. Lakshmi Dr. Shirley Selvan Dept of ECE	Recent trends in Bio medical Engineering for Medical diagnostic applications	SERB - DST	19/01/2023- 20/01/2023	1,00,000	85
7	Dr.G.Baskar Dept of Biotechnology	Algal Biorefinery and Circular Bioeconomy (ABCB-2023)	BRSI	27/06/2023	-	35

WHO CAN ATTEND

Faculty members working in Engineering Colleges affiliated to Anna University.

REGISTRATION DETAILS

- The Programme is approved by Anna University, Chennai and organized by St. Joseph's College of Engineering; hence no registration fee is required.
- Admission is restricted to only 60 participants.
- Selection will be based on first come first served basis. (Priority will be given to Young faculty members)

RESOURCE PERSONS

Sessions will be handled by experts from leading Universities/ Institutions/ Industries and experienced faculty members of our institution.

Filled up Application form sent to:

The Coordinator
FDTP on "AD HOC AND WIRELESS SENSOR NETWORKS"
Department of Electronics and Communication Engineering
St. Joseph's College of Engineering
OMR, Chennai – 119.

Mobile : 9677190102

Email : kpkvendan@gmail.com/
kovendanakp@stjosephs.ac.in

Phone : 044 2450 1060 Fax : 044 2450 0861



Faculty Development Training Programme on "EC8702-AD HOC AND WIRELESS SENSOR NETWORKS"

27.06.2022 to 02.07.2022

REGISTRATION FORM

Name :
Gender :
Qualification :
Designation :
Department :
Institution :

Address for Communication:

.....
.....
..... PIN.....

E-mail :
Mobile No :
Subjects Handled :

DECLARATION:

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of Anna University sponsored programme.

Date: _____ Signature of the Applicant
Place: _____

SPONSORSHIP CERTIFICATE:

Mr/Ms/Dr _____ is an employee of our Institute and is hereby sponsored by us. He/She will be permitted to attend the course, if selected.

Signature with seal of Head of the Institution/organization



ONE WEEK ONLINE FACULTY DEVELOPMENT

TRAINING PROGRAMME ON "EC8702- AD HOC AND WIRELESS SENSOR NETWORKS"

27.06.2022 to 02.07.2022

Coordinators

Dr. P. EZHILARASI M.E., Ph.D.
HOD – Lab affairs, ECE

&

Dr. KOVENDAN AKP M.E., Ph.D.
Assistant Professor, ECE



Approved by

Anna University

Chennai

Organized by



**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION
ENGINEERING
ST. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai – 600119**

ABOUT THE INSTITUTION

St. Joseph's College of Engineering started in the year 1994 ranks among one of the top Engineering Colleges in India by NIRF and also recognized as 'SIRO' (Scientific and Industrial Research Organization) by DSIR, Government of India. College has been accredited by NAAC with A+ Grade and gained autonomous status in the year 2021. Every year a large number of students from our college win accolades at the National and International level for their projects, cultural and sports achievements besides securing many University Ranks. Many of our students got placed in top notch organizations besides securing admissions in world class Universities in India and abroad. The college has provided enormous support and perpetually encourages in all our endeavors.

ABOUT THE DEPARTMENT

Electronics and Communication Engineering

The Department of Electronics and Communication Engineering with state-of-art research facilities and well qualified faculty members produces young aspiring Engineers ever since its inception in 1994 has consistently brought laurels to the college. Our department has been enriching with well deliberate and classy laboratories to fulfill our student's instructive and engineering needs. It offers both undergraduate (B.E Electronics and communication Engineering) and Post graduation (M.E Applied Electronics) under Anna University, Chennai and accredited by National Board of Accreditation (NBA) since 2003. The department is also recognized as 'Research Centre' by Anna University, Chennai and offers PhD and MS (By research).

The Prominent and leading employers have made the placement record of the department excellent. The Department has signed MoU with various leading Industries for technical collaboration. Our faculty members besides teaching are involved in

many activities like continuing education, technical consultancy, research & development, coordinating professional bodies such as OPTICA student chapter, IEEE student chapter and IETE Students Forum ISF.

ABOUT THE PROGRAMME

To learn the fundamentals of Ad Hoc network and Sensor Network by understanding different routing protocols to gain in-depth knowledge on sensor network architecture and design issues. This training program also would facilitate the understanding of transport layer and security issues possible in Ad Hoc and Sensor networks In order to acquire exposure to mote programming platforms and tools.

PROGRAMME OBJECTIVE

On successful completion of this training programme the faculties would be well versed:

- ❖ To know the basics of Ad hoc networks and Wireless Sensor Networks.
- ❖ Apply this knowledge to identify the suitable routing algorithm based on the network and user requirement.
- ❖ Apply the knowledge to identify appropriate physical and MAC layer protocols.
- ❖ Understand the transport layer and security issues possible in Ad hoc and sensor networks.
- ❖ Be familiar with the OS used in Wireless Sensor Networks and build basic modules.



ORGANIZING COMMITTEE

CHIEF PATRON	Dr. R. Velraj Vice-Chancellor, Anna University, Chennai
PATRON	Dr. G. Ravikumar Registrar, Anna University, Chennai.
CHAIR	Dr. P. Vanaja Ranjan Director, CFD. Dr. V. Adaikkalam Addl. Director, CFD
CO CHAIR	Dr. Vaddi Seshagiri Rao Principal Dr. B. Parvathavarthini, Dean (Research)
PROGRAM EXECUTIVE	Dr. S. Rajesh Kannan, ASP, ECE
COORDINATORS	Dr. P. Ezhilarasi HOD-LAB AFFAIRS, ECE. Dr. Kovendan AKP Assistant Professor, ECE
ADVISORS	Dr. B. Victoria Jancee HOD – Staff affairs ECE Dr. S. Aghalya HOD – Student affairs ECE
ORGANIZERS	Dr. A.M. Balamurugan, ASP, ECE Dr. B. Vasudevan, ASP, ECE Dr. R. Niruban, ASP, ECE Mrs. K.R. Kayalvizhi, AP, ECE Mr. M. Lingeshwaran, AP, ECE Mr. C. Ashok, AP, ECE Mr. G.D.Vignesh, AP, ECE

PLATFORM Google meet

IMPORTANT DATES

Submission of Application	: 21.06.2022
Intimation of Selection	: 23.06.2022
Confirmation by Participants	: 25.06.2022

INAUGURAL SESSION SCHEDULE

Date	04 th July 2022
9.30 AM	Thamizh Thai Vazhthu
9.35 AM	Welcome Address Dr. Jayarama Pradeep, M.E., Ph.D., Professor, HOD - Staff Affairs
9.37 AM	Program Address Dr. T.D.Sudhakar, M.E., Ph.D., Professor
9.40 AM	Citation of Chief Guest Mr. R. Elanthirayan., M.Tech., (Ph.D.), Assistant Professor
09.42 AM	Inaugural Address Dr. R. Lal Raja Singh, Member, Section Managing Committee, Indian Society for Technical Education Tamil Nadu Section
09.55 AM	Felicitation Dr. Vaddi Seshagiri Rao, M.E., MBA., Ph.D., Principal
10.00 AM	Vote of Thanks Mr. H.Prasad, M.E., (Ph.D.), Assistant Professor
10 : 05 AM	National Anthem

Resource Persons:

Eminent Professors from Universities and Resource Persons from Foreign & Indian Industries.

St. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. Joseph's Group of Institutions
Jeppiaar Educational Trust
OMR, Chennai - 119.
COUNSELING CODE: 1317

ISTE Sponsored
One Week Short Term Training Program (STTP)
On
Opportunities, Scope and Challenges in
DC Microgrids

04th July - 08th July, 2022

Organized by
DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING



Sponsored by



Indian Society for Technical Education
New Delhi



Indian Society for Technical Education
Shaheed Jeet Singh Marg New Delhi – 110 016

CERTIFICATE

This is to certify that Mr/Ms. **A. JAMNA** has successfully completed ISTE approved SF-STTP/FDP Programme on “**Opportunities Scope and Challenges in DC Microgrids**” held during **20.06.2022** to **24.06.2022** organized by **St. Joseph’s College of Engineering, Chennai, Tamilnadu.**

P-2022/4693


Executive Secretary

CHIEF PATRON

Dr. B. BABU MANOHARAN, M.A., M.B.A., Ph.D.,
Chairman, St. Joseph's Group of Institutions

PATRONS

Mrs. S. JESSIE PRIYA, M.Com.,
Managing Director, St. Joseph's Group of Institutions

Mr. B. SHASHI SEKAR, M.Sc.,
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CHAIR PATRONS

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Principal, St. Joseph's College of Engineering

Dr. C. SREEKUMAR M.Sc., M.Tech., Ph.D.,
Dean Academics

Dr. A. CHANDRA SEKAR, M.E., Ph.D.,
Dean Research

Dr. V. VALLINAYAGAM, M.Sc., M.Phil., Ph.D.,
Dean Student Affairs

CONVENER

Dr. Jayarama Pradeep, M.E., Ph.D.,
HoD/EEE Staff-Affairs

Dr. T. V. Narmadha M.E., Ph.D.,
HoD/EEE Lab-Affairs

COORDINATORS

Dr. M. Venmathi, M.E., Ph.D.,

Dr. V. Krishnakumar, M.Tech., Ph.D.,



VENUE:

Smart Class Room
Department of EEE
St. Joseph's College of Engineering,
OMR,
Chennai-119,
Tamilnadu.

**FOR FURTHER CORRESPONDENCE
CONTACT**

The Coordinator
Department of EEE
St. Joseph's College of Engineering,
OMR, Chennai-119,
Tamilnadu.
Mobile : +91 98419 78226
+91 9944235136

**One Week
FACULTY DEVELOPMENT
PROGRAMME
On
SMART GRID AND
RENEWABLE ENERGY
SOURCES**

29th AUGUST - 2nd SEPTEMBER, 2022



Organized by
Department
of

Electrical and Electronics Engineering
St. Joseph's College of Engineering
St. Joseph's Group of Institutions
OMR, Chennai -119
<http://www.stjosephs.ac.in>

In collaboration with
National Institute of Technical Teachers
Training and Research



ABOUT THE INSTITUTION

St. Joseph's College of Engineering is a highly reputed educational institution located in Chennai, India. It was established in 1994 on a sprawling campus at Rajiv Gandhi Salai (OMR). The Institution offers 11 B.E./B.Tech. degree programs and 6 PG programs. It has gained high reputation in the society over the past 28 years through academic excellence as evidenced by the number of university ranks and research work. The Institution has consistently stood top among colleges affiliated to Anna University, Chennai. National Institutional Ranking Framework (NIRF) by MHRD, Govt. of India has ranked our college among the top 200 Institutions in India.

DEPARTMENT OF EEE

The Department of Electrical and Electronics Engineering since its inception in 1996 has consistently brought laurels to the college. The department has reached yet another milestone by being accredited by NBA since 2003. Our department has been enriched with well planned & sophisticated laboratories to fulfill our student's educational & industrial needs. The department faculty members besides teaching are involved in many activities like continuing education, technical consultancy and research & development and student guidance. We have 30 faculty members to guide our students and perform their best. The Department has signed MoU with Nuvoton Technology Corporation, TRANSUN, NIYATA Technologies, SANDS Signals and Ltd., CDCE

Automation, NSIC Ltd, BSNL, ARM, TIAS and EMCOG Solutions. The department also has formed three IEEE students chapter Technical society and one affinity group.

VISION OF THE DEPARTMENT

To promote the department of Electrical and Electronics Engineering as a pioneer in education and research by imparting quality education, creating and upgrading the academic facilities and inculcating professional values to the students to face the challenges in the dynamic global society.

MISSION OF THE DEPARTMENT

- To attain utmost qualities of teaching-learning process and provide a vibrant environment for the students to exhibit their fullest potential in the field of Electrical and Electronics Engineering.
- To improve research and development skills among students towards providing technical solutions with ethical values to meet social challenges.
- To develop the students to face the technological requirements of the industry with professional values and make them employable and to impart the spirit of entrepreneurship for their successful career.

ELIGIBILITY

The course is open for academicians, Faculty from Engineering & Polytechnic Colleges, and Research scholars are eligible to apply.

RESOURCE PERSONS

The sessions will be handled by the faculties of the NITTTR.

REGISTRATION FEE

There is no registration fee for any participant, provided they should have chosen St. Joseph's College of Engineering, OMR, as Remote Centre.

HOW TO REGISTER

All the participants need to register online using the link given below:

<https://fdp.nitttrchd.ac.in/backingup/>

LAST DATE FOR REGISTRATION

27.08.2022 before 5.00 P.M

PROCEDURE FOR REGISTRATION

- Login as Participant
- Click Apply for STC on Left-Hand side
- Select department as Electrical Engineering
- Select mode of course as Online mode
- Click submit
- Next Choose the course as ID ICT-103 on the title Smart Grid and Renewable Energy Sources
- Select the Occupation
- Select the Venue as you want to register as: From the registered remote centre
- In drop down-select: St. Joseph's College of Engineering, OMR
- Finally upload your College ID Card



Certificate No: ICT-10315/22

**National Institute of
Technical Teachers Training and Research
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

DR.M.VENMATHI

**ST.JOSEPHS COLLEGE OF ENGINEERING, CHENNAI
TAMIL NADU**

Participated in the AICTE Recognized Faculty Development Programme

on

Smart Grid and Renewable Energy Sources

Conducted by

Electrical Engineering Department

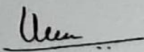
from


29/08/2022 to 02/09/2022 (One Week)

at

St. Josephs College of Engineering, OMR, Chennai




Coordinator


Director

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Tamilnadu.
Mobile : +91 9841469691
+91 9176019772

**One Week
FACULTY DEVELOPMENT
PROGRAMME
On
MATLAB - ARTIFICIAL
INTELLIGENCE &
OPTIMIZATION TECHNIQUES**

**21st NOVEMBER - 25th NOVEMBER
2022**



Organized by
Department
of
Electrical and Electronics Engineering
St. Joseph's College of Engineering
St. Joseph's Group of Institutions
OMR, Chennai -119

<http://www.stjosephs.ac.in>
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<https://fdp.nitttrchd.ac.in/backupup/>

LAST DATE FOR REGISTRATION

19.11.2022 before 5.00 P.M

PROCEDURE FOR REGISTRATION

- Login as Participant
- Click Apply for STC on Left-Hand side
- Select department as Electrical Engineering
- Select mode of course as Online mode
- Click submit
- Next Choose the course as **ID ICT-139** on the title Smart Grid and Renewable Energy Sources
- Select the Occupation
- Select the Venue as you want to register as: From the registered remote centre
- In drop down-select: St. Joseph's College of Engineering, OMR
- Finally upload your College ID Card



Certificate No: ICT-18577/22

**National Institute of
Technical Teachers Training and Research
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

ANBARASAN. P

**ST JOSEPHS COLLEGE OF ENGINEERING, CHENNAI
TAMIL NADU**

Participated in the AICTE Recognized Faculty Development Programme

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MATLAB - Artificial Intelligence and Optimisation Techniques

Conducted by

Electrical Engineering Department

from

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Principal, St. Joseph's College of Engineering

Dr. V. Vallinayagam M. Sc., M. Phil., Ph.D.
Dean (Student Affairs), St. Joseph's College of Engineering

Dr. A. Chandra Sekar M. E., Ph.D.
Dean (Research), St. Joseph's College of Engineering

Dr. G. Sreekumar M.Sc., M.Tech., Ph.D.
Dean (Academics), St. Joseph's College of Engineering



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St. Joseph's Group of Institutions



St. Joseph's Group of Institutions-OMR Channel



ADVISORS

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HOD - Staff Affairs

Dr. S. Aghalya M.E., Ph.D.
HOD - Student Affairs

Dr. P. Ezhilarasi M.E., Ph.D.
HOD - Lab Affairs

CO-ORDINATOR

Dr. R. Avodiammal M.E., Ph.D.
Professor

CO-COORDINATOR

Dr. J. Marisi Leo Marickam M.E., Ph.D.
Professor

ORGANIZERS

Dr. K. Venkatesan | Mrs. G. Anitha | Mrs. S. Devipriya
Mrs. P. Elaveni | Mr. R. Prabhu | Dr. R. Niruban

DECEMBER 05 2022

TO

DECEMBER 16 2022

St. Joseph's college of Engineering
OMR, Chennai - 600119

Phone: 044-24501060, 24501449 (Ext:5570) Fax: 044-2450 0861
Email: jprstjosephs@stjosephs.ac.in, www.stjosephs.ac.in

About the College

St. Joseph's college of Engineering started in the year 1994 with an intake of 160 students in 3 departments is located in a sprawling lush green area of around 120 acres. Under the perseverance and impeccable stewardship of our honourable Chairman Dr. B. Babu Manoharan, this prestigious institution has reached a mile stone of 28 successful years. St. Joseph's has attained the Autonomous status in the year 2020. Currently, 11 Under Graduate courses and 7 Post Graduate courses are offered here. The institute was first recognized as a Research Centre under Anna University in 2007, after which Ph. D programs are also being offered. National Institutional Ranking Framework (NIRF) by MHRD, Govt. of India has ranked our college among the top 100 Institutions in India with a rank of 97 in the year 2017. The college is accredited by NAAC with A+ grade (maximum score of 3.46) and all its UG courses are accredited by NBA. Our College is recognized as a Scientific and Industrial Research Organization by DSIR and DST Government of India and has ongoing / completed research projects supported by AICTE, ISRO, NRB, DST, DBT, NMRG and TNSCST.

About the Department

The Department of Electronics and Communication Engineering with state-of-art research facilities and well qualified faculty members produces young aspiring Engineers ever since its inception in 1994. The department is accredited by NBA and the department is offering PG (M.E Applied Electronics) under Anna University, Chennai. The department is recognized by Anna University as Nodal Centre for research since 2010 and thus offers Ph. D program for both part - time and full - time scholars. The department is well equipped with laboratories which include RF & Microwave Lab, Communication system lab, Signal processing lab, Network lab, Optical communication lab, VLSI and Embedded lab. The department consistently strives for the overall development of the students by supporting them in all their endeavours through career development and placements activities. In order to keep pace with the latest technologies, our faculty enrich their knowledge through continuing education, technical consultancy, research & development. With this stride, the department has produced successful Electronics and Communication Engineers and has made them to excel and flourish with the prominent and leading employers in this field. We have to our credit two MOORDS grants from AICTE and also a funded project from ISRO.

About the FDP

Artificial Intelligence (AI) is the basis for mimicking human intelligence processes through the creation and application of algorithms built into a dynamic computing environment. AI is a broad field that includes Machine Learning (ML) whilst Deep Learning (DL) is a subgroup of ML algorithms. Most researchers in the computer field have done work since the 1920s on ML. Numerous researchers have given lots of inputs to enhance the precision of ML algorithms. DL had been analysed and implemented for various applications and had shown remarkable results, thus this field needs wider exploration which can be helpful for real-world problems. DL helps achieve greater accuracy in challenging areas such as object detection, image classification, etc. Recently, DL has shown great promise in helping make sense of EEG signals and COVID detection due to its capacity to learn good feature representations from raw data. The massive number of sensors deployed in the Internet of Things (IoT) produce gigantic amounts of data for facilitating a wide range of applications. DL would undoubtedly play a role in generating valuable inferences from this massive volume of data and hence will assist in creating smarter IoT. In this regard, exploring the potential of DL for IoT data analytics becomes highly crucial. This course will give an opportunity for the participants to gain insights into the fundamentals of AI and ML concepts and DL architectures. Also, the participants will be exposed to how the ML and DL technologies can be employed for various applications.



FDP Learning Management Platform : Zoom

No Registration Fee.

Certificates will be distributed for all successful candidates as per norms of ATAL.

Hostel accommodation will be provided on basis of availability only.



Targeted Audience

- Faculty members of the AICTE approved institutes
- Research Scholars,
- PG Students,
- Government & industry employees

Course Highlights

- A primer on AI that will offer intuition into various aspects of ML and DL along with their rigorous logical reasoning
- Eminent Speakers from IIT's, IIT's, industry and other esteemed universities will deliver lectures and hands - on sessions
- Will provide practical exposure in programming with Python tools/libraries for ML and DL
- Will offer diverse application of AI for real-world problems
- Use-cases will be drawn directly from the major research avenues tackled by the researchers like Satellite image , digital signal processing, medical image processing, embedded systems, Deep Generative Modelling.

Course Outcomes

Upon successful completion of the course, participants will be able to

- Understand the ML, DL, and AI concepts and their associated algorithms.
- Get introduced to tools & platforms available to develop ML, DL based applications.
- Get an exposure to the latest research avenues in DL and ML
- Understand AI application to solve practical real world problems.
- Develop ML, DL based systems & solutions.
- Understand hardware development for certain DL-based applications.

Organizing Committee

CHIEF PATRON

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PATRONS

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CHAIR PERSONS

Dr. V. Vaddi Seshagiri Rao, M.E., M.B.A., Ph.D.
Principal, St. Joseph's College of Engineering

Dr. V. Vallinayagam, M.Sc., M.Phil., Ph.D.
Dean, Student Affairs

Dr. A. Chandrasekar, M.E., Ph.D.
Dean, Research

Dr. G. Sreekumar, M.Sc., M.Tech., Ph.D.
Dean, Academics

PROGRAM ADVISORS

Dr. B. Victoria Jancee, M.E., Ph.D.
HOD Staff Affairs, ECE

Dr. S. Aghalya, M.E., Ph.D.
HOD Student Affairs, ECE

Dr. P. Ezhilarsai, M.E., Ph.D.
HOD Lab Affairs, ECE

Convenors

Dr. D. Lakshmi, M.E., Ph.D.
Associate Professor, ECE

Dr. Shirley Selvan, M.E., Ph.D.
Associate Professor, ECE

Program Organizing Committee

Dr. J. Sivakumar, M.E. Ph.D. Associate Professor
Mrs. R. Madhumitha, M.E., (Ph.D.) Assistant Professor
Mrs. P. Elaveni, M.E., (Ph.D.) Assistant Professor

Who can Attend?

Faculty Members, Research Scholars in Polytechnic and Engineering Colleges, and Healthcare Professionals are eligible to attend.

Registration

Registration Fee: Rs.200

Payment can be made in the form of DD / NEFT in favour of, "St. Joseph's College of Engineering" payable at Chennai.

NEFT Details

Bank: Indian Bank
Branch: Jeppiaar Engineering College
A/C Name: St. Joseph's College of Engineering
A/C No.: 705270386
IFSC Code: IDIB000J037

Accommodation

Accommodation (if required) will be provided at the college campus free of cost. No TA/DA will be paid to attend the program. Breakfast, Lunch, and Snacks will be provided.

Resource Persons

Sessions will be handled by experts from leading Universities / Institutions / Imaging and Diagnostic Centres.

A soft copy of the form duly endorsed by the Head of the Institution should be sent to eceseминаr@stjosephs.ac.in by 18.01.2023.

For Further Details contact:

Mobile: 9841669119, 9381080374.



The Chain We Do It
St. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, Chennai - 119



Department of Electronics and Communication Engineering

Organizes

A NATIONAL SEMINAR

ON

Recent Trends in Biomedical Engineering for Medical Diagnostic Applications

Sponsored by



SCIENCE AND ENGINEERING RESEARCH BOARD

19th and 20th January, 2023

About the Institution

St. Joseph's College of Engineering was established in the year 1994. Under the perseverance and impeccable stewardship of our honourable chairman Dr. B. Babu Manoharan, this prestigious institution has reached a milestone of 29 successful years. St. Joseph's attained Autonomous status in the year 2020. Currently, 11 UG courses and 7 PG courses are offered here. The institute was first recognized as a Research Centre under Anna University in 2007, after which Ph.D. programs are also being offered. National Institutional Ranking Framework (NIRF) by MHRD, Government of India has ranked our college among the top 100 institutions in India with a rank of 97 in the year 2017. The college is accredited by NAAC with A+ grade (maximum score of 3.46) and all its UG courses are accredited by NBA. Our college is recognized as a Scientific and Industrial Research Organization by DSIR and DST Government of India and has ongoing/completed research projects supported by AICTE, ISRO, NRB, DST, NMRE and TNSCST.

About the Department

The Department of ECE with state-of-art research facilities and well-qualified faculty members produces young and aspiring Engineers ever since its inception in 1994. The Department is accredited by NBA and is offering PG (M.E Applied Electronics) under Anna University, Chennai. The department is recognized by Anna University as a Nodal Centre for research since 2010 and thus offers a Ph.D. program for both part-time and full-time scholars. The department is well equipped with laboratories which include RF & Microwave Lab, a Communication system lab, a signal processing lab, a Networks lab, an Optical communication lab, VLSI, and an Embedded lab. The department consistently strives for the overall development of the students by supporting them in all

their endeavours through career development and placement activities. We have to our credit two MODROBS grants from AICTE and also a funded project from ISRO.

Vision

To become a world-class renowned department where dissemination and application of knowledge in design and analysis of electronic circuits in the field of communication is delivered and to synergistically balance through the relentless pursuit of student success towards the economic prosperity of the society and the world at large.

About the Program

The seminar introduces recent trends and advanced technologies in the field of Biomedical Engineering and their applications. Participants will gain insight into cutting-edge imaging modalities in the treatment of cancer. The program also aims to motivate researchers to pursue their research in this field.

Area of Focus

- Artificial Intelligence, Society and Possibilities
- Biomedical Image Analysis using ML Techniques
- Autism Analysis using Advanced ML Procedures
- AI in diagnosis, Prognosis, and Treatment
- Trends in Data Analytics
- Radiomics
- Recent Trends in Imaging Modalities for Cancer Treatment

RECENT TRENDS IN BIOMEDICAL ENGINEERING FOR MEDICAL DIAGNOSTIC APPLICATIONS

19.01.2023 and 20.01.2023

Registration form

Name:

Gender: MALE/ FEMALE

Qualification:

Designation:

Department:

Institution:

Address for Communication:

.....

PIN:

Email:

Phone (Off):

Mobile No.:

Accommodation required? YES / NO

Mode of Payment: DD / NEFT No.....

Declaration

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of the programme.

Date: Signature of the Applicant

Sponsorship certificate

Mr/Ms/Dr..... is an employee of our Institute and is hereby sponsored by us. He/She will be permitted to attend the course if selected.

Signature with the seal of the Head of the Institution/organization

About the Institution

St. Joseph's College of Engineering (An Autonomous Institutions) established in the year 1994 and affiliated to Anna University, Chennai is ranked among the top Engineering Colleges in Tamil Nadu. All the departments of our College has been accredited by the National Board of Accreditation, New Delhi and certified with "A*" by NAAC. We maintain a consistent place in the top educational institutions ranked by NIRF. Every year a large number of students from our college win accolades at the National and International events. They won awards for their projects and prizes in cultural and sports achievements besides securing many University Ranks. Many of our students got placements in top notch organizations besides securing admissions in world class Universities in India and abroad. The college has provided enormous support and perpetually encourages in all our endeavors.

About the Department

The Department of Biotechnology at St. Joseph's College of Engineering was established in 2002, accredited by National Board of Accreditation, New Delhi and recognized as Scientific and Industrial Research Organization (SIRO) by Department of Scientific and Industrial Research (DSIR), Government of India. The Biotechnology Department offers courses such as B.Tech (Biotechnology), M.Tech (Biotechnology) and research programme leading to Ph.D. The department is equipped with qualified doctorates in the field of engineering, technology and experienced supporting staff. Our department has made strides in its infrastructural facilities worth more than 1.5 crore investment for both teaching and research activities. In the past years, The department of biotechnology have organized four such workshops and two short term training programme sponsored by department of Biotechnology and AICTE, government of India.

Our department has received Rs.2.0 crore worth research projects sponsored by AICTE, Department of Science and Technology, Department of Biotechnology, Government of India. The department has MOU's with significant organizations. The academic performance of our department has been par excellence by producing top university ranks and distinctions. The department has bagged 161 Anna University Ranks which includes 11 Gold medals since inception. The department has got a good placement record. Department has taken great strides in the fields of impartation of knowledge on biotechnology by organizing conferences, seminars, workshops and short-term courses. As a department with a broad range of expertise, and fully conscious of social responsibility, it is ready to play a full part in exploring the future – safely and creatively.

Contact Details

Dr. G. Baskar
Professor

Department of Biotechnology,
St. Joseph's College of Engineering
(An Autonomous Institution)
OMR, Chennai - 119.

E-mail: abcb23stjosephs@gmail.com
Mobile: 9443678571

For Registration

Scan QR



Click the link below

<https://forms.gle/gDh2gpDsgjLfkFHc6>



In Christ, We Do It
St. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai - 119



DEPARTMENT OF BIOTECHNOLOGY

(NBA Accredited and Recognized as SIRO by DSIR of GOI.)



In Association with
The Biotech Research Society, India
IChE-Chennai Regional Centre
Indian Society for Technical Education

Organizes

National Workshop
On
Algal Biorefinery and Circular
Bioeconomy
(ABCB-2023)

27.06.2023

Organizing Committee

Chief Patron

Dr. B. Babu Manoharan, M.A., M.B.A., Ph.D.
Chairman
St. Joseph's Group of Institutions

Patrons

Mrs. S. Jessie Priya, M.Com.
Managing Director
St. Joseph's Group of Institutions

Mr. B. Shashi Sekar, M.Sc.
Executive Director
St. Joseph's Group of Institutions

Chairs

Dr. Vaddi Seshagiri Rao, M.E., M.B.A., Ph.D.
Principal
St. Joseph's College of Engineering

Dr. V. Vallinayagam, M.Sc., M.Phil., Ph.D.
Dean Student Affairs

Dr. A. Chandrashekar, M.E., Ph.D.
Dean Research

Dr. G. Sreekumar, M.Sc., M.Tech., Ph.D.
Dean Academics & HoD (Biotechnology)

Program Advisor

Dr. L. F. A. Anandraj, M.Sc., M.Tech., Ph.D.
Associate Professor & HoD (Lab Affairs)

Convenor

Dr. G. Baskar, M.Tech., Ph.D., FIE., FISEES,
Professor

Important Dates

Submission of **Online Application** : 20.06.2023

Intimation of Selection : 22.06.2023

Confirmation by Participant : 23.06.2023

Who can Attend

Faculty members, Industrial persons, Scientists, research scholars and UG/PG students from various fields biotechnology and life sciences.

About the Workshop

The one-day national workshop on Algal Biorefinery and Circular Bioeconomy (ABCB-2023) focusses on the details about the production of various high-value products such as biofuels, bio-chemicals, food ingredients and fertilizers from several algal biomass including micro- and macro-algae. The circular bioeconomy model promotes the concept of a closed-loop system where waste or by-products from one process become inputs for another, creating a cycle of reuse and reducing the environmental impact. The combination of algal biorefineries and circular bioeconomy principles offers several potential benefits. It reduces reliance on fossil fuels by producing renewable biofuels, contributes to the development of sustainable agriculture through the production of animal feed and fertilizers, and provides alternatives to conventional chemicals by producing bio-based chemicals. Additionally, algal biorefineries have the potential to mitigate carbon dioxide emissions through the cultivation of algae, which can absorb CO₂ during their growth. The integration of algal biorefineries into a circular bioeconomy framework promotes sustainable resource management, waste reduction, and the development of a more sustainable and environmentally friendly industrial sector. Overall, the participants can gain a clear insights on the cultivation and utilization of several algal biomass for production of various bio-products.

Registration

Registration fee of **Rs. 300/-** (Per Participant) has to be paid. Payment can be made in the form of DD / NEFT in favour of, "St. Joseph's College of Engineering" payable at Chennai.

NEFT Details

Bank : Indian Bank
Branch : Jeppiaar Engineering College
A/C Name : St. Joseph's College of Engineering
A/C No. : 705270386
IFSC Code : IDIB000J037

The registration fee includes certificate, lunch and refreshments. The number of seat is limited and the participants will be selected first come first serve basis.

Registration form

(Hard copy to be submitted on 27.06.2023)

Name :

Gender : MALE/ FEMALE

Qualification :

Designation :

Department :

Institution :

Address for Communication:

..... PIN

E-mail :

Mobile No. :

Mode of Payment : DD / NEFT No.....

Declaration

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of programme.

Signature of the Applicant

Signature with Seal of Head of the Institution

Date:

Place: