From

T. Pasupathi J. Niranjan Samuel R&D Section

KCE

To The Principal KCE

Respected Madam,

Sub: Permission - Organizing workshop on Biomedical Interventions-reg.,

A workshop on "Biomedical Interventions" is organized on 27<sup>th</sup> & 28<sup>th</sup> February, 2019 by Dept of ECE and R&D Section.

In this regard, we request you to kindly grant us permission towards:

- a) Utilization of Pallava Hall.
- b) LCD projectors & PA system at Pallava Hall.
- c) Utilization of College vehicle for resource persons, if required.
- d) Accommodation for participants at Hostel.
- e) Genset during power interruption.
- f) Utilization of Lamp.
- g) Providing lunch and refreshments for the participants at our college canteen at subsidized rate.

Thank you,

Yours faithfully,

T. Pasupathi

J. Niranjan Samuel

#### Registration Form

1. Name (in block letters):
2. Designation:
3. Institution / Organization:
4. Postal Address:
5. E-mail:
6. Phone No. / Mobile:
7. D.D No Date:
Bank/Branch:

Signature of the applicant

#### Please send your registration form to:

Dept. of Electronics & Communication Engg., Kings College of Engg., Punalkulam- 613303. Phone: 04362 - 282474

#### **Organizing Committee**

Chief Patrons: Dr. R. Rajendran Secretary

Mr.T.R.S.Muthukumaar, Chief Executive Officer

#### Patron:

Dr. J. Arputha Vijaya Selvi Principal

Co-Patron: Dr.S.Sivakumar Vice Principal

#### Convenor:

Dr. D. Kumar Professor/ECE

#### Co-ordinators:

Mr. T. Pasupathi AP/ECE

Mr. J. Niranjan Samuel IRF/ECE-R&D

#### Registration fees:

Registration fee has to be paid in the form of demand draft drawn in favour of Kings College of Engineering - IEEE Student Branch payable at Thanjavur. Registration fee includes course material. lunch and refreshment.

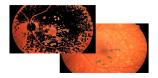
UG/ PG Students : Rs. 600/-: Rs. 800/-Faculty

Last Date for Registration :18.02.2019 Confirmation of Acceptance:22.02.2019

For further information contact: Mr. T. Pasupathi - 98941 04645 Mr. J. Niranjan Samuel - 99947 18168 COLLEGE OF ENGINEERING
A NAAC Accredited Institution
Approved By AICTE, New Delhi & Affiliated to Anna University, Che

# National $RKSHOP_{on}$ Biomedical Interventions

27th & 28th February, 2019



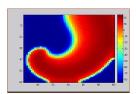


Jointly organised by Department of Electronics & Communication Engg., R&D Section

Kings College of Engineering (KCE), since its inception in the year 2001, provides quality education to the needy aspirants including under-privileged students of this region. KCE is approved by All India Council for Technical Education, New Delhi, affiliated to Anna Situated on the Thanjavur - Pudukkottai Highway, the

#### About R & D Section:

The Department of Electronics & Communication, Electrical & Electronics Engineering and Mechanical Engineering are recognized as research centres for collaborative research by Anna University, Chennai. A significant number of projects funded by various government and non government funding sectors namely DRDO, MCIT, AICTE, New Delhi, TNSCST, Chennai, Analog Devices, USA & Texas Instruments, USA are successfully carried out.



#### About the workshop:

The workshop will address the clinical management of Coronary Artery Diseases with newer tools, various ways and means by which information and communication technology applications in health care sector focusing on selective diagnosis, emergency & longterm clinical care to people and the regulatory requirements of medical devices. Machine Intelligence (MI) aims at mining relevant information directly from the derivative physiological data, leads to better performance in comparison to human that is suffered by status of mind and mental variability. Evolutions of new machine learning algorithms are helping the even disrupted pattern of raw physiological data in terms of better classification. MI has been playing many different roles in scientific research and the literature has shown that Artificial Intelligence (AI) is promising in solving complex problems in many applications, particularly in areas with huge amounts of data but very little theory. Thus, it can be supportive to develop new decision support system including the devices. Also this workshop will explore the possibility of reducing the cost & complexity involved in healthcare practices thereby benefiting healthcare professionals and ultimately aims to provide quality healthcare to people at a







Dr. S. Shanthi,
Prof/Dept. of Electronics & Commn. Engg,
Adithya Institute of Technology,
Combatore
Highly motivated Professor, Positive approach, consistently strive to create a challenging and engaging learning environment in which the students become life long scholars and learners, interested in continuing research in Bio medical engineering combined with artificial intelligence. vith artificial intelligence



Prof. R. Malathy, Prof/Dept. of Electronics & Instrumentation, Annamalai University,

Annamalai University,
Chidambaram
Prof. R. Malathi, thrust areas are
omputational Bioengineering, modeling of various
sysiological systems which includes, cancer cells,
ridiac cell, ganglion cells. Her research area has
oneered with effects of sodium channels on Arrhythmia
A mathematical model of human cardiac ventricular
ells. Her thesis won the best thesis award at IIT Madras



Sr. Consultant & Interventional Cardiologist

Chennai
DM in Cardiology from Madras Medical
Dlage and Research Institute and over 17 years of a
fly proficient experience in interventional cardiology,
stdoctoral Fellowship in National Board (FNB) from
corts Heart Institute, Delh. He is also a Fellow of FESC d
the Fellow of FSCAI (USA). He has performed more
in 15000 eartiface catheterisation procedures till date.



Dr. J. Arputha Vijaya Selvi, M.E., Ph.D., **PRINCIPAL** 

Ref: KCE / PRL /invite/18-19

13.02.2019

To

**Dr. K. Damodaran,**Senior Consultant Interventional Cardiologist Apollo Hospitals,

Dear Sir,

Greetings to you from Kings College of Engineering

Kings College of Engineering (KCE) is an institution which was formed with the single aim of providing quality education to the needy, underprivileged and socially & economically weaker sections of students. KCE is accredited by NAAC, recognized by 2(f) and 12(B) act of UGC, approved by All India Council of Technical Education, New Delhi (AICTE) and is affiliated to Anna University, Chennai. The institution was established in the year 2001 on a sprawling campus of around 48 acres on the Thanjavur-Pudukkottai Highway and run by Raj Educational Trust (RET), Chennai. The institution offers five U.G and four P.G programmes and certified with ISO 9001:2008. The state of the art teaching methodologies are used to impart high quality education to the students including e-learning.

To expose our students to various industrial and technical skills, we organize seminars each semester. In this regard, we request you to make it convenient to be present and deliver lecture on "Newer Modalities in the Management of Coronary Artery Disease" in the National workshop on "Biomedical Interventions" on 27<sup>th</sup> February, 2019 (Forenoon session).

Thanking you and expecting your co-operation in this regard.

Regards,

Dr. J. Arputha Vijaya Selvi,

Principal

PRINCIPAL Kings College of Engineering Punalkulam- 613 303.





Dr. J. Arputha Vijaya Selvi, M.E., Ph.D., **PRINCIPAL** 

Ref: KCE / PRL /invite/18-19

13.02.2019

To

Dr. S. Shanthi,

Professor & Head

Dept. of Electronics & Communication Engineering,

Adithya Institute of Technology, Coimbatore

Dear Madam,

Greetings to you from Kings College of Engineering

Kings College of Engineering (KCE) is an institution which was formed with the single aim of providing quality education to the needy, underprivileged and socially & economically weaker sections of students. KCE is accredited by NAAC, recognized by 2(f) and 12(B) act of UGC, approved by All India Council of Technical Education, New Delhi (AICTE) and is affiliated to Anna University, Chennai. The institution was established in the year 2001 on a sprawling campus of around 48 acres on the Thanjavur-Pudukkottai Highway and run by Raj Educational Trust (RET), Chennai. The institution offers five U.G and four P.G programmes and certified with ISO 9001:2008. The state of the art teaching methodologies are used to impart high quality education to the students including e-learning.

To expose our students to various industrial and technical skills, we organize seminars each semester. In this regard, we request you to make it convenient to be present and deliver lecture on "Machine Learning in Biomedical Engineering" in the National workshop on "Biomedical Interventions" on 28<sup>th</sup> February, 2019 (Afternoon session).

Thanking you and expecting your co-operation in this regard.

Regards,

Dr. J. Arputha Vijaya Selvi,

Principal

PRINCIPAL Kings College of Engineering Punalkulam- 613 303.



### **Brief Profile**

Dr.G.Shanthi, working as Quality Assurance Manager, at Micro Therapeutics Research Labs Pvt. Ltd. Chennai.(MTR). She attained her Doctorate degree from Madras University with specialization in Molecular Genetics and began her career as scientist-Toxicology She has more than one decade of experience, well trained in GLP principles and expertise in preclinical study designing and execution (executed more than 400) both *in vivo* and *in vitro*) for various regulatory submissions.

She designed a study model to identify the Blood clotting effect of drug which is accepted in the USFDA regulatory. She established the Preclinical Research Unit Facility at MTR as per the GLP Quality System and got GLP certification from National GLP Compliance Monitory Authority (NGCMA) DST, New Delhi for the Laboratory. She participated in many National and International level workshops, symposium and published many research articles. Her strength is commitment towards the task with adherence to Quality and Ethics.







#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

# Workshop on "BIOMEDICAL INTERVENTIONS"

# LIST OF PARTICIPANTS

S.No	Name of the Participant	Branch	College
1.	S.Rutharesh	B.Tech Bio Medical Engineering	Rajiv Gandhi College of
2.	S.Sakthidharan		Engineering and
3.	P.Sasvath		Technology
4.	K.Suresh		
5.	Thivakar.B		
6.	S.Santhiya	B.Tech Bio Technology	Periyar Maniammai
7.	Anushya.P		Institute of Science &
8.	C.Bathira		Technology, Vallam, Thanjavur
9.	J.Kokila		Thanjavui
10.	K.Dinesh pandi		
11.	M.Nidesh		
12.	J.Pradeep		
13.	B.Tamizhini		
14.	M.Thasaleema parven		
15.	M.Vivek		
16.	ABARNA. R	ECE	Kings College of
17.	ABINAYAKARTHIKA.T		Engineering, Punalkulam
18.	AGALYA. S		Punaikulam
19.	ARCHANA.T		
20.	ARIYAVARSHINI.J		
21.	DHANAHARSHINI. S		
22.	DHANASEKARAN.S		
23.	DHIVYA DHARSHINI. R		
24.	DHURKA. K		
25.	DIVAKAR.S		
26.	ELAKIYA KOWSHIKA. A		
27.	HARINI. M		
28.	ILANKHATIR.E		
29.	INDHUJA. J		
30.	JENIFER.X		
31.	KOWSALYA. M		
32.	MEERA.K		
33.	MEGALA.M		
34.	RASIKA. M		
35.	SANTHAKUMARI. J		
36.	SANTHIYA.R		
37.	SEDHUPATHI.M		
38.	SOWMIYA.R		
39.	SUTHA.M		

40.	TAMILAZHAGI. T	ECE	Kings College of
41.	VIDHYA. K		Engineering,
42.	VINITHA. K		Punalkulam
43.	VITHYASRI. U.K		
44.	PONNI R		
45.	THANDAYUTHAPANI R		
46.	MANGAIYARKARASI N		
47.	GEETHABAI P		
48.	JEYASEELAN T		
49.	SATHYARAJ R		
50.	CHANDRASEKAR S		
51.	SRIVIDHYA N		
52.	FRANKLIN VIJAY S		
53.	PRIYADHARSHINI. G		
54.	RANJITHA.C		
55.	SOFIYA JENNIFER J		
56.	T. SHANTHI		
57.	R. PONNI		
58.	P. GEETHABAI		
59.	K. SUDARSANAN		
60.	S. RAMARAJAN		
61.	R. SATHYARAJ		
62.	T. JEYASEELAN		
63.	P.RAJAPIRIYAN		





Recognized by UGC 2(f) & 12B
Approved By AICTE, New Delhi & Affiliated to Anna University, Chennai

# Department of Electronics & Communication Engineering &

R&D Section
Cordially invite you to the two days

# National Workshop on Biomedical Interventions

27<sup>th</sup> & 28<sup>th</sup> February, 2019

# Dr. K. Damodaran

Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai

has consented to deliver the Inaugural Address

Staff Members
Department of ECE
KCE

Venue: Pallava Hall Time: 10.00 a.m.







# **Workshop on Biomedical Interventions**

Date: 27.02.2019 & 28.02.2019 Venue: Pallava Hall

10.00 a.m.	Invocation Song	
10.02 a.m. − 10.05 a.m.	Welcome Address	Prof. N. Mangaiyarkarasi
		HOD(i/c)/ECE, KCE
10.06 a.m. − 10.10 a.m.	Introducing Guest	Dr. D. Kumar
		Professor/ECE, KCE
10.11 a.m. – 10.15 a.m.	Honouring the Guest	Dr. J. Arputha Vijaya Selvi
		Principal, KCE
		Dr. S. Sivakumar
		Vice Principal, KCE
10.16 a.m. − 10.20 a.m.	Presidential Address	Dr. J. Arputha Vijaya Selvi
		Principal, KCE
10.21 a.m. – 10.25 a.m.	Felicitation	Dr. S. Sivakumar
		Vice Principal, KCE
10.26 a.m. – 10.45 a.m.	Inaugural Address	Dr. K. Damodaran
		Sr. Consultant & Interventional Cardiologist
		Apollo Hospitals, Chennai
10.45 a.m. – 11.00 a.m.	Tea Break	
11.01 a.m. – 12.55 p.m.	Session – I	Dr. K. Damodaran
		Sr. Consultant & Interventional Cardiologist
		Sr. Consultant & Interventional Cardiologist Apollo Hospitals, Chennai
12.55 p.m. – 01.00 p.m.	Vote of Thanks	
12.55 p.m. – 01.00 p.m.	Vote of Thanks	Apollo Hospitals, Chennai
12.55 p.m. – 01.00 p.m. 01.00 p.m. – 02.00 p.m.	Vote of Thanks  Lunch Break	Apollo Hospitals, Chennai  Mr. T. Pasupathi
		Apollo Hospitals, Chennai  Mr. T. Pasupathi
01.00 p.m. – 02.00 p.m.	Lunch Break	Apollo Hospitals, Chennai  Mr. T. Pasupathi  AP/ECE, KCE
01.00 p.m. – 02.00 p.m.	Lunch Break Honoring &	Apollo Hospitals, Chennai  Mr. T. Pasupathi  AP/ECE, KCE  Mr. R. Balakrishnan
01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m.	Lunch Break Honoring & Introducing the Guests	Apollo Hospitals, Chennai  Mr. T. Pasupathi  AP/ECE, KCE  Mr. R. Balakrishnan  AP/ECE, KCE  Dr. Baskaran
01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m.	Lunch Break Honoring & Introducing the Guests	Apollo Hospitals, Chennai  Mr. T. Pasupathi  AP/ECE, KCE  Mr. R. Balakrishnan  AP/ECE, KCE  Dr. Baskaran  Biomedical Engineer
01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m. 02.06 p.m. – 03.10 p.m.	Lunch Break Honoring & Introducing the Guests	Apollo Hospitals, Chennai  Mr. T. Pasupathi  AP/ECE, KCE  Mr. R. Balakrishnan  AP/ECE, KCE  Dr. Baskaran
01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m.	Lunch Break Honoring & Introducing the Guests Session – II	Apollo Hospitals, Chennai  Mr. T. Pasupathi  AP/ECE, KCE  Mr. R. Balakrishnan  AP/ECE, KCE  Dr. Baskaran  Biomedical Engineer  Gentech Marketing Pvt. Ltd., New Delhi
01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m. 02.06 p.m. – 03.10 p.m.	Lunch Break Honoring & Introducing the Guests Session – II Tea Break	Apollo Hospitals, Chennai  Mr. T. Pasupathi  AP/ECE, KCE  Mr. R. Balakrishnan  AP/ECE, KCE  Dr. Baskaran  Biomedical Engineer
01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m. 02.06 p.m. – 03.10 p.m.	Lunch Break Honoring & Introducing the Guests Session – II Tea Break	Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan AP/ECE, KCE Dr. Baskaran Biomedical Engineer Gentech Marketing Pvt. Ltd., New Delhi Dr. Kiran George Assoc. Professor /EIE
01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m. 02.06 p.m. – 03.10 p.m. 03.16 p.m. – 03.30 03.36 – 04.30	Lunch Break Honoring & Introducing the Guests Session – II  Tea Break Session – II Continues	Apollo Hospitals, Chennai  Mr. T. Pasupathi  AP/ECE, KCE  Mr. R. Balakrishnan  AP/ECE, KCE  Dr. Baskaran  Biomedical Engineer  Gentech Marketing Pvt. Ltd., New Delhi  Dr. Kiran George  Assoc. Professor /EIE  Annamalai University, Chidambaram
01.00 p.m. – 02.00 p.m. 02.01 p.m. – 02.05 p.m. 02.06 p.m. – 03.10 p.m.	Lunch Break Honoring & Introducing the Guests Session – II Tea Break	Apollo Hospitals, Chennai Mr. T. Pasupathi AP/ECE, KCE Mr. R. Balakrishnan AP/ECE, KCE Dr. Baskaran Biomedical Engineer Gentech Marketing Pvt. Ltd., New Delhi Dr. Kiran George Assoc. Professor /EIE

Dr. J. Arputha Vijaya Selvi, M.E., Ph.D.,

PRINCIPAL

Ref: KCE / PRL /Thanks /071/ 18-19

28.02.2019

To

Dr. S. Shanthi,

Professor & Head Dept. of Electronics & Communication Engineering, Adithya Institute of Technology, Coimbatore

Dear Madam,

On behalf of the Management, Staff and Students, I express my sincere thanks for your visit to our campus for delivering lecture in the workshop on "Biomedical Interventions" on 28-02-2019 inspite of your busy schedule. The lecture was very informative and all the participants got benefited. I sincerely thank you for the efforts you have taken to make this workshop fruitful.

Regards,

Dr. J. Arputha Vijaya Selvi

PRINCIPAL
Kings College of Engineering
Punalkulam- 613 303,







Recognized under 2(f) & 12(B) of UGC Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai Punalkulam, Gandarvakottai Taluk, Pudukkottai Dist. - 613 303.

National Workshop on

# "Biomedical Interventions"

# CERTIFICATE OF PARTICIPATION

This is to certify that will, / wis.		
	has p	participated in
the National Workshop on "Biom	nedical Interventions" on 27th &	. 28 <sup>th</sup> February,
2019, jointly organized by IEEE	E Student Branch (STB16621) ar	nd Research &
Development Section, Kings College	ge of Engineering, Punalkulam.	

Dr. D. Kumar CONVENER

This is to cartify that Mr. / Mc

Dr. J. Arputha Vijaya Selvi PRINCIPAL







# **DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

# Two days workshop on Biomedical Interventions

# **Expenditure Details of Workshop held on 02.01.19**

S.No	Name of Vendor	Details	Bill No. /Date	Total
1	Makemytrip	Flight Tickets – Trichy to Chennai	52462060/ 22.02.2019	4698.00
2	IRCTC	Train tickets	20.02.2019	606.00
3	Thanjavur Art & Bronze	Memento	26.02.2019	750.00
4	Maharaja Silk House	Shawl	GIS-76315/ 27.02.2019	240.00
5	Maharaja Silk House	Shawl	GIS-76154/ 27.02.2019	679.00
6	Poompuhar	Memento	3709/ 27.02.2019	336.00
7	Bombay Sweets	Sweets	22191/ 26.02.2019	126.00
8	Bombay Sweets	Sweets	115/ 27.02.2019	184.00
Total Expenditure (Rupees Seven Thousand Six Hundred and Nineteen Only)				7619.00

COORDINATOR HOD PRINCIPAL

# THE HINDU 12.03.2019 PAGE 5



Kings College of Engineering at Punalkulam near Thanjavur organised a two-day national workshop on 'Biomedical Interventions' recently. Dr.K.Damodaran, Senior Consultant and Interventional Cardiologist, Apollo Hospital, Chennai, inaugurated the workshop. Dr.J.Arputha Vijaya Selvi, Principal, presided. Dr.S.Baskaran, Biomedical Engineer, Gentech Marketing Pvt.Ltd, New Delhi, Dr. Kiran George, Associate Professor, Electronics and Instrumentation Engineering, Annamalai University and Dr. G.Shanthi, Scientist, Manager Preclinical, Microtherapeutics Research Labs, Chennai, spoke.







#### Report

#### National Workshop on "Biomedical Interventions"

Kings College of Engineering, Punalkulam near Thanjavur organized a two day National Workshop on **Biomedical Interventions** on 27th & 28th February, 2019. Dr. K. Damodaran, Senior Consultant & Interventional Cardiologist, Apollo Hospital, Chennai, inaugurated the workshop. Dr. J. Arputha Vijaya Selvi, Principal, presided over the function and delivered presidential address. **Dr. K. Damodaran**, in his lecture, stated coronary artery disease develops when the major blood vessels that supply the heart with blood, oxygen and nutrients (coronary arteries) become damaged or diseased. Cholesterol-containing deposits (plaque) in the arteries and inflammation are usually the cause for coronary artery disease. The damage may be caused by various factors, including: Smoking, High blood pressure, High cholesterol, Diabetes or insulin resistance and sedentary lifestyle. To improve the heart healthcare, one should quit smoking, control conditions such as high blood pressure, high cholesterol and diabetes. He also explained about surgical procedure involved in robot assisted cardiac surgery. While concluding his lecture, he said to stay physically active, consume low-fat and lesssalt diet, and consume fruits, vegetables and whole grains and advised to maintain a healthy weight and manage stress.

**Dr. S. Baskaran**, Biomedical Engineer, Gentech Marketing Pvt. Ltd., New Delhi started his lecture with the major instruments used in acquiring bio-signals from human beings. Also he demonstrated the real-time Electro Cardio Gram (ECG) acquisition from one of the participant with four channel data acquisition development device and necessary electrodes. His lecture includes analysis of the acquired data and report preparation for the end user. **Dr. Kiran George**, Assoc. Professor, Electronics and Instrumentation Engineering, Annamalai University, Chidambaram, delivered lecture. In his lecture he briefed about multiscale physiological model of organ system which provides an opportunity for the researcher and clinician in the field of mathematical oncology. While concluding his lecture, he suggested how these new directions could contribute in addressing the current challenges in the field of Biomedical Engineering.

**Dr. G. Shanthi**, Scientist, Manager Preclinical, Microtherapeutics Research Labs, Chennai, delivered a lecture on synthetic biomaterials and its applications, Biocompatibility Regulatory Testing and its biological effects. She concluded her lecture with a case study on biomaterial implantation in animals. **Dr. S. Shanthi**, Professor & Head/ECE, Adithya Institute of Technology, Coimbatore delivered a lecture. In her lecture, she briefed that MI plays various roles in scientific research. Artificial Intelligence (AI) provides promising solutions in solving complex problems in many applications, particularly in areas with huge amounts of data but very little theory. It helps to develop new decision support system including the devices.

A total of 63 participants from various institutions situated at U.T of Pondicherry, Karnataka and Andra Pradesh, Tamil Nadu participated in the programme and got benefitted.



Dignitaries on the Dias



Mrs. N. Mangairyarkarasi, HOD(i/c)/ECE welcoming the gathering



Ceremonial Lighting of the Lamp



Dr. D. Kumar, Professor/ECE introducing
Dr. K. Damodaran, Chief Guest



Dr. J. Arputha Vijaya Selvi, Principal honouring Dr. K. Damodaran, Interventional Cardiologist



Dr. J. Arputha Vijaya Selvi delivering presidential address



Dr. K. Damodaran, Interventional Cardiologist, Apollo Hospital, Chennai delievering Inaugural Address



Dr. K. Damodaran, during invited lecture session



Dr. Kiran George during invited lecture session



Dr. S. Baskar during demonstration session



Dr. G. Shanthi during invited lecture session



Students during the activity session



Participants receiving certificates from dignitaries



Dr. S. Shanthi during invited lecture session



Participant during feedback session



Mr. T. Pasupathi during workshop summary and vote of thanks