

Geetha Shishu Shikshana Sangha (R)

GSSS INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi & Govt. of Karnataka)

KRS Road, Metagalli, Mysuru 570 016, Karnataka, India

Department of Electronics & Instrumentation Engineering

Instrumentation Technology
Accredited by NBA, New Delhi
(Validity: 01.07.2017 - 30.06.2020)

Date: 06-06-2019

To,
The Principal,
GSSSIETW,
Mysuru.

Respected Sir,

Sub-Permission to organize Five days Faculty Development and Enrichment Program on "Digital Image Processing" - reg..

Department of Electronics and Instrumentation Engineering would like to organize 5 days Faculty Development and Enrichment Program on "Digital Image Processing" from 08th to 12th July 2019.

Digital image processing is the subject studied by UG/PG students of Electronics & Communication Engineering, Electronics & Instrumentation Engineering, Telecommunication Engineering, Computer Science Engineering, Medical Electronics and Biomedical Instrumentation branches of Engineering. This FDEP is useful to the faculties who shall handle this subject in the upcoming semester. It would be also useful for research scholars in the field of Image Processing.

The Registration amount for this FDEP will be Rs.1500/- per participant. The approximate Cost for the conduction of this event will be Rs.52,500/- for 35 participants. Hence we request you to grant permission to organize this event.

Thanking You.

Yours Sincerely



(Dr. Venkatratnam C)

Head of the Department
DEPARTMENT OF ELECTRONICS &
INSTRUMENTATION ENGINEERING
GSSSIETW
K.R.S. Road, Mysuru-570 016

TO
Registrar

Dr. Seenu Kumari
Principal

6/6/2019

Five Day Faculty Development & Enrichment Programme

on

DIGITAL IMAGE PROCESSING

8th to 12th July 2019

About the Programme:

The objective of the programme is to provide an exposure to the participants about the fundamental & advanced concepts of image processing and applicability of these concepts in allied challenging image processing applications. This technical program will also include hands-on practice sessions on industry standard tools. The key areas of the Faculty Development & Enrichment Program (FDEP) are tabulated below:

Date	Topics Covered
08-07-2019	<ul style="list-style-type: none"> Fundamentals of Digital Image Processing. Image enhancement in spatial domain (Point processing). Hands-on session.
09-07-2019	<ul style="list-style-type: none"> Spatial filters. Frequency domain filters. Hands-on session.
10-07-2019	<ul style="list-style-type: none"> Extension from 2D to 3D for Visual Understanding. Implication of Visual clues in Digital Image Analysis. Hands on session 1: MATLAB for Digital Image Processing- I.
11-07-2019	<ul style="list-style-type: none"> Efficient Feature Learning for Better Healthcare Design. Representation and Description for Medical Image Analysis. Hands on session 2: MATLAB for Digital Image Processing II (Advanced).
12-07-2019	<ul style="list-style-type: none"> Image compression with hands-on. Image restoration application : Fog removal .

Chief Patrons:

Dr. M. Jagannatha Shenoi President, GSSS(R), Mysuru.
Smt. Vanaja. B. Pandit Hon. Secretary, GSSS(R), Mysuru.

Patrons:

Sri. R.K. Bharath Management Committee Member and CEO, GSSS(R), Mysuru.
Dr. M. Shivakumar Principal, GSSSIETW, Mysuru.
Smt. Anupama B Pandit AO, GSSSIETW, Mysuru.

Chief Coordinator:

Dr. Venkatratnam .C Assoc. Prof & Head, Dept. of EIE

Keynote Speaker:

Dr. D.S. Guru Professor, Dept. of Studies in Computer Science, Manasagangotri, University of Mysore, Mysuru.

FDEP Resource Persons

Dr. Narasimha Kaulgud Professor, Dept. of ECE, NIE, Mysuru
Dr. Thotringam Kasar Vice President of Research Kaaya Tech, Mysuru
Dr. H.S. Mohana Professor, Dept. of E&IE, MCE, Hassan
Dr. Anjan Gudigar Assistant Professor, Dept of I&C, MIT, Manipal.
Dr. Raghavendra U Associate Professor, Dept of I&C, MIT, Manipal.
Mrs. Nanda S Assistant Professor, Dept of E&IE, SJCE, Mysuru



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K.R.S Road, Metagalli Industrial Area,
MYSURU-570016, Karnataka, INDIA

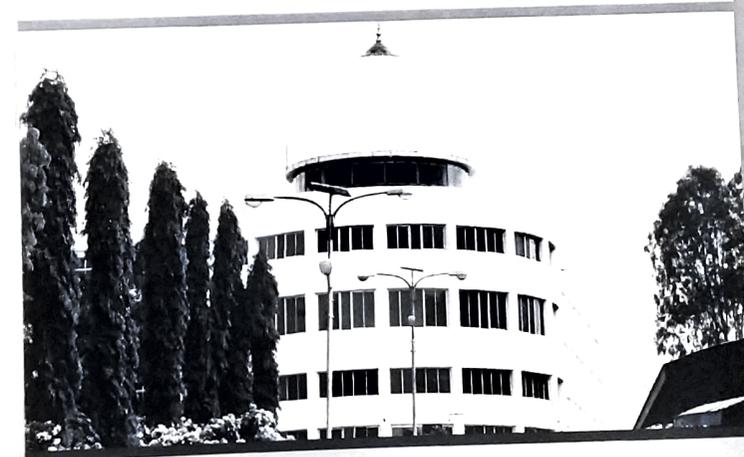
Tel: 0821- 4257304/05/06 Fax: 0821-2581305

Five Day Faculty Development & Enrichment Programme

on

DIGITAL IMAGE PROCESSING

8th to 12th July 2019



Organized by

DEPARTMENT OF

ELECTRONICS AND INSTRUMENTATION ENGINEERING

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Geetha Shishu Shikshana Sangha (R)

GSSS Institute of Engineering and Technology For Women

MYSURU-570016 | Karnataka | INDIA

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**Five Day Faculty Development & Enrichment
Programme on**

DIGITAL IMAGE PROCESSING

8th to 12th July 2019

REGISTRATION FORM

Name(in Block Letters) :
Designation :
Department :
Institute :
E-mail :
Mobile No. :
DD No :
Amount :
Date :
Bank Name :

Declaration by Participant

I declare that the details furnished are true to the best of my knowledge and belief. I agree to abide by the rules & regulations of the Program. If selected, I shall attend the program for the entire duration.

Name :

Place :

Signature

About GSSSIETW:

Geetha Shishu Shikshana Sangha (R) is an initiative and outcome of Late. Prof. B.S. Pandit, former Professor, SJCE, Mysuru with a vision to provide quality technical education to girls. The institution was established in the year 2003 reflecting the ideals of its founder and seeks to achieve excellence as an academic institution with advanced research. Five engineering braches, **ECE, CSE, ISE, TE and IT (EIE) are Accredited for 3 years by NBA, New Delhi, (Validity: 01-07-2017 to 30-06-2020)**. The institute offers 6 undergraduate programs, 2 M.Tech Programs and MBA all affiliated to VTU Belagavi. The institution has professional forums like IEEE, IETE, ISTE, ISOI and CSI. The college also offers Ph.D programs in ECE, CSE, EIE, Mathematics, Chemistry and MBA departments. The institute has successfully organized IEEE international conferences, National conferences and FDP. The students have secured University ranks and received gold medals.

About Electronics And Instrumentation Engineering Department:

Department of Instrumentation Technology was started in 2006 with an intake of 60 students. B.E in Instrumentation Technology at GSSSIETW, Mysuru has been **Accredited by NBA, New Delhi (Validity: 01-07-2017 to 30-06-2020)** and has qualified and dedicated teaching & non-teaching staff. The department was renamed as Electronics and Instrumentation Engineering in the year 2014. The students of the department have secured **11 Ranks** so far in the VTU exams. The Dept. has established **Robotics Lab** in association with e-Yantra, IIT Bombay and **Virtual Instrumentation lab** in association with **National Instruments** using a grant of **Rs. 30 Lakhs** sanctioned by VGST, Govt. of Karnataka. The department regularly organizes conferences, FDP, workshops, Industry-Institute interaction, Robotic competitions etc.

Who can apply?

Faculty members who shall handle this course in upcoming semester and Research scholars of affiliated and constituent Engineering colleges.

Registration Fee:

Rs.1500/- (includes Lunch & Certificate)

- ✓ Accommodation is charged extra, with prior intimation.
- ✓ Applicants are required to send the scanned copy of the registration form approved by the Principal/HOD.
- ✓ Registration fee includes lunch, refreshments for Five days along with participation certificate.
- ✓ DD should be drawn in favor of "GSSSIETW", payable at Mysuru.
- ✓ Scanned copy of registration form along with DD to be mailed on or before **03rd July 2019** to **fdepei19@gmail.com**.

Important Date

Last date for registration: 3rd July 2019

For any further information, please contact:

Mr. M.V. Sreenivas Rao
Associate Professor
Dept. of EIE, GSSSIETW.
+91 94492 03599

Mr. Basavanna M
Asst. Professor
Dept. of EIE, GSSSIETW
+91 96201 36454

Email: fdepei19@gmail.com

Venue:

**Seminar Hall
GSSSIETW**

2nd Floor, KRS Road,

Metagalli, Mysuru -570016

Visit us at: <http://www.geethashishu.in>



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Invitation

*It is our pleasure to invite you for the Inauguration of
Faculty Development and Enrichment Programme on
“Digital Image Processing”*

on

8th July 2019

Chief Guest

Dr. D S Guru

Professor, Dept. of Studies in Computer Science,
University of Mysore, Manasagangotri, Mysuru

Presided by

Smt. Vanaja B Pandit

Hon. Secretary, GSSS(R), Mysuru

In the presence of

Smt. Anupama B Pandit
AO, GSSSIETW, Mysuru

Dr. Shivakumar M
Principal, GSSSIETW, Mysuru

Sri. Bharath R K
CEO & MCM, GSSS(R)

Kindly do attend and grace the occasion

Venue: Seminar Hall, GSSSIETW, Mysuru

Time: 10.00 A.M



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MYSURU – 570016**

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Department of Electronics and Instrumentation Engineering
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INAUGURATION OF 5 DAYS FDEP ON “DIGITAL IMAGE PROCESSING”

AGENDA

Date: 08.07.2019
Time: 10:00 AM

Venue: Seminar Hall

Master of Ceremony	:	Sowjanya M N	
Invocation	:	Nagalakshmi T S	2 Min
Welcome Speech	:	Lalitha K	2 Min
Offering of Flowers	:	By Dignitaries	5 Min
About “FDEP”	:	Dr. Venkatratnam Chitturi	3 Min
Introduction of Chief Guest	:	Deepika T V	2 Min
Address by Chief Guest	:	Dr. D S Guru	5 Min
Address by Principal	:	Dr M Shivakumar	5 Min
Address by CEO	:	Sri. R K Bharath	2 Min
Presidential Address	:	Smt. Vanaja B Pandit	2 Min
Vote of Thanks	:	M V Sreenivas Rao	2 Min
Group Photo	:	Dignitaries and Participants	5 Min



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Faculty Development and Enrichment Program on “Digital Image Processing” 8th – 12th July 2019

SESSION PLAN

DATE / DAY	SESSION 1 9.30 am - 11.15 am		SESSION 2 11.30 am – 1.15pm		SESSION 3 2.00 pm – 3.00 pm		SESSION 4 3.15 pm - 4.30 pm
08/07/2019 Monday	Inauguration Function Chief Guest – Dr.D.S.Guru Professor, DOS in Computer science, University of Mysore, Musuru	T E A B R E A K	Fundamentals of Digital Image Processing By Dr.Shreedhar.K.S. Professor, Dept of Computer Science Engineering, UBDTCE,Davanagere	L U N C H B R E A K	Image Enhancement in Spatial Domain (point Processing) By Mr.Manisankar Application Engineer, CoreEl Technologies, Mathworks	T E A B R E A K	Hands-on session By Mr.Manisankar Application Engineer, CoreEl Technologies, Mathworks
	Key Note Address By Dr.D.S.Guru Professor, DOS in Computer science, University of Mysore, Musuru		Frequency Domain Filters by Dr.T.Kasar, Vice president of Research, KaayaTech ,Mysuru		Hands-on Session by Dr.T.Kasar, Vice president of Research, KaayaTech ,Mysuru		Hands-on Session by Dr.T.Kasar, Vice president of Research, KaayaTech Mysuru
09/07/2019 Tuesday	Spatial Filters by Dr.T.Kasar, Vice president of Research, KaayaTech ,Mysuru						

EIE

Ref: Som 7/7/19 pg 10

or FDEP on Digital Image Processing from July 8 to 12

Mysuru, July 7- The Department of Electronics and Instrumentation Engineering, GSSS Institute of Engineering & Technology for Women (GSSSIETW), Mysuru, is organising a five-day **Faculty Development and Enrichment Programme (FDEP)** on 'Digital Image Processing' from July 8 to 12 for faculty members of various Engineering Colleges.

Dr. D.S. Guru, Professor, Department of Studies in Computer Science, Manasagangothri, will be the keynote speaker.

Vanaja B. Pandit, Hon. Secretary, GSSS, will preside. Anupama B. Pandit, AO, GSSSIETW,

Dr. M. Shivakumar, Principal, GSSSIETW, R.K. Bharath, CEO, GSSSIETW and Dr. Venkatratnam Chitturi, Associate Professor and Head, Department of EIE, will be present.

Experts in the field of Image Processing such as Dr. K.S. Shreedhar, Professor, UBDTCE Davanagere, Manishankar, Application Engineer, Mathworks, Dr. T. Kasar, KaayaTech, Mysuru, Dr. U. Raghavendra and Dr. Anjan Gudiyar from MIT, Manipal, Dr. Narasimha Kaulgud, Professor, NIE, will be delivering talks on the recent trends and key topics in the field of Image Processing.

UoM to host symposium

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Ph : 0821-4257304/305/306. Fax: 0821-2581305

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING
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PRESS NOTE

13-7-2019

FDEP on 'DIGITAL IMAGE PROCESSING' at GSSSIETW, Mysore



Sitting from Left: **Dr. Venkatratnam Chitturi**, Associate Professor & Head, Dept of EIE; **Sri. R. K. Bharath**, CEO, GSSSIETW; **Dr. D. S. Guru**, Professor, Dept of Studies in Computer Science, Manasa Gangotri, University of Mysore, Mysuru; **Dr. M. Shivakumar**, Principal, GSSSIETW; **Dr. Shreedhara K S**, Professor, Dept. of CS&E, UBDTCE, Davangere and participants of the FDEP.

Department of Electronics and Instrumentation Engineering, GSSSIETW, Mysuru had organized 5 days Faculty Development and Enrichment Program on **"DIGITAL IMAGE PROCESSING"** from 8th – 12th **July 2019** for faculty members of engineering colleges.

The Chief Guest for the event was **Dr. D. S. Guru**, Professor, Dept of Studies in Computer Science, Manasa Gangotri, University of Mysore, Mysuru. In his keynote speech, Dr. D. S. Guru expressed the importance of Digital Media (text, image, audio and video) Processing for the BIG DATA that is available today for better tomorrow. The FDEP was graced by **Dr. M. Shivakumar**, Principal, GSSSIETW, **Sri. R. K. Bharath**, CEO, GSSSIETW and **Dr. Venkatratnam Chitturi**, Associate Professor & Head, Dept of EIE along with the faculties of GSSSIETW and external participants from various parts of the state.

Experts in the field of Image Processing, delivered on the recent trends and key topics including Fundamentals of Digital Image Processing, Image enhancement in spatial domain (Point processing), Spatial filters, Frequency domain filters, Extension from 2D to 3D for Visual Understanding, Implication of Visual clues in Digital Image Analysis, Efficient Feature Learning for Better Healthcare Design, Representation and Description for Medical Image Analysis, Image compression, Image restoration applications of Fog removal. Each session was followed by hands-on practice sessions on industry standard tools

Dr. Venkatratnam C
HOD, EIE, GSSSIETW.



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Faculty Development and Enrichment Programme on "Digital Image Processing"
 08th – 12th July, 2019

FEEDBACK FORM

We would like to thank you for your participation in this FDEP. The organizing committee would like to invite you to take a moment to complete our FDEP evaluation feedback form. Your feedback enables us to improve our FDEP and better meet your needs. If you could take a few minutes to complete the following questions, we would be very thankful. Please note "your feedback and suggestions are valuable to us".

Please indicate your overall satisfaction with this FDEP	Excellent			
What was MOST VALUABLE about the FDEP?	Information regarding DEP			
What was LEAST VALUABLE about the FDEP?	—			
How would you rate the following items	Excellent	Very Good	Good	Acceptable
1. Relevance of FDEP Contents	✓			
2. Providing a forum for exchange of information		✓		
3. Quality of Information	✓			
4. Information available online		✓		
5. Registration	✓			
6. FDEP Venue/Facilities	✓			
7. Organizational arrangements for and during the FDEP	✓			
8. Catering	✓			
What topic(s) or theme(s) you would like to be addressed at next FDEP	"Sparse Signal processing"			

If you have any other suggestions please indicate the same overleaf. Kindly fill this form and handover to the coordinators.

Thank You

Date: 12/7/2019


 Signature
 12/7/2019



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Faculty Development and Enrichment Programme on "Digital Image Processing"
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Please indicate your overall satisfaction with this FDEP	Excellent			
What was MOST VALUABLE about the FDEP?	Resource Person's delivered topics very well.			
What was LEAST VALUABLE about the FDEP?	-			
How would you rate the following items	Excellent	Very Good	Good	Acceptable
1. Relevance of FDEP Contents	✓			
2. Providing a forum for exchange of information	✓			
3. Quality of Information	✓			
4. Information available online	✓			
5. Registration	✓			
6. FDEP Venue/Facilities	✓			
7. Organizational arrangements for and during the FDEP	✓			
8. Catering	✓			
What topic(s) or theme(s) you would like to be addressed at next FDEP	Practical Sessions on Image Processing			

If you have any other suggestions please indicate the same overleaf. Kindly fill this form and handover to the coordinators.

Thank You

Date: 12/7/19


Signature



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 08th - 12th July, 2019

FEEDBACK FORM

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Please indicate your overall satisfaction with this FDEP	Good.			
What was MOST VALUABLE about the FDEP?	Handson session was very good.			
What was LEAST VALUABLE about the FDEP?	-			
How would you rate the following items	Excellent	Very Good	Good	Acceptable
1. Relevance of FDEP Contents		✓		
2. Providing a forum for exchange of information		✓		
3. Quality of Information		✓		
4. Information available online			✓	
5. Registration			✓	
6. FDEP Venue/Facilities				✓
7. Organizational arrangements for and during the FDEP			✓	
8. Catering			✓	
What topic(s) or theme(s) you would like to be addressed at next FDEP	image processing military applications.			

If you have any other suggestions please indicate the same overleaf. Kindly fill this form and handover to the coordinators.

Thank You

Date: 12/07/2019.

[Signature]
 Signature



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Under IQAC

FDEP - 2019

Organized by Department of Electronics & Instrumentation Engineering

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CERTIFICATE OF PARTICIPATION

*This is to certify that Mr./ Ms. _____
from _____ college has participated in Five days
Faculty Development & Enrichment Programme "FDEP-2019" on "Digital Image Processing" held at
GSSSIETW, Mysuru from 8th to 12th July 2019.*

Dr. Venkatratnam.C

Associate Professor & Head
Dept. of E&IE, GSSSIETW, Mysuru

Dr. M. Shivakumar

PRINCIPAL
GSSSIETW, Mysuru



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CERTIFICATE OF APPRECIATION

Co-ordinator

In recognition and sincere appreciation for being a coordinator in Five days Faculty Development & Enrichment Programme "FDEP-2019" on "Digital Image Processing" held at GSSSIETW Mysuru from 8th to 12th July 2019.

Dr. Venkatratnam.C
Associate Professor & Head
Dept. of E&IE, GSSSIETW, Mysuru

Dr. M. Shivakumar
PRINCIPAL
GSSSIETW, Mysuru