



## BHIMAVARAM INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUK Kakinada)

Swamy Jnanananda Asramam Road, Near Railway Station, Goraganamudi (Village), Pennada  
Grama Panchayat, Palakoderu Mandalam, West Godavari District, Andhra Pradesh 534243

Phone: 088162 36877

email: principal@bietbvrn.ac.in

www.bietbvrn.ac.in

### CIRCULAR

Date: 26-08-2020

All the ECE students are hereby informed that A TWO WEEK CERTIFICATE PROGRAM ON "DIGITAL IMAGE PROCESSING" will be conducted from 31-08-2020 to 12-09-2020. All interested candidates can enroll their names with Mr. J S S RAMA RAJU, Program Coordinator, Dept. of ECE on or before 29-08-2020. The details of the program and resource person are available in the brochure displayed in the notice board.




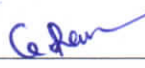
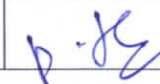




Venue: LH-10, 2<sup>nd</sup> Floor, ECE department, Bhimavaram Institute of Engineering and Technology.

  
PRINCIPAL  
Dr. KOPPARTHI SURESH  
PRINCIPAL  
BHIMAVARAM INSTITUTE OF  
ENGINEERING & TECHNOLOGY

Copy to

Chairman/Secretary (for kind information)

All HODs

IQAC	BS&H	CE	EEE	ME	ECE	CSE	MBA	AO
								

## BHIMAVARAM INSTITUTE OF ENGINEERING & TECHNOLOGY

Swarnabharathi Educational Trust has established Bhimavaram Institute of Engineering and Technology in 2007 in Bhimavaram with the view to meet the growing demands for technical education in the country. The College is located in a serene and pollution free environment at Pennada 6 km from Bhimavaram on Palakol and Pamarru Road. The campus is spread over 20 acres of scenic landscape is an ideal place for educational pursuits. It is well connected by road & rail. The labs, class rooms, information centre etc are uniquely designed and built to endow the students a hassle free environment to pursue their intellectual development.

Bhimavaram Institute of Engineering & Technology is unaided - Private Institute Located at Bhimavaram in Andhra Pradesh. The Address Of The Institute Is Gnanananda Ashram Road Pennada (Village) Palakoderu Mandal, West Godavari. It Operates Under The Parent Organization Swarnabharathi Education Trust. The Institute Started Its First Course In 2007. Bhimavaram Institute Of Engineering & Technology Is Open For Both Men And Women. Bhimavaram Institute Of Engineering & Technology Is Open For All Sections Of Society. The vision of our institute is to be a leading institution of engineering education and research, preparing students for leadership in their fields in a caring and challenging learning environment. The Mission of the intuition is to attract and retain knowledgeable, creative, motivated and highly skilled individuals whose leadership and contributions uphold the college tenets of education, creativity, research and responsible public service.

### ABOUT HOSTING DEPARTMENT

The Department Of Electronics and Communication Engineering was established in the year 2007 with the objective of imparting quality education in the field of Computer Science. The Department has modern facilities for teaching and learning. The Department started B.Tech program In the year 2007 with an intake of 60 students. The intake was increased to 120 students from 2008. The Department started Master of Technology(M.Tech) programme in the year 2008. It offers two M.Techprogrammes,one is Electronics and Communication Engineering and the other in VLSI Design. The department has established 10 Laboratories namely Analog communication laboratory/Digital communicational laboratory,Electronic Devices and circuits laboratory/Pulse & Digital Circuit laboratory, Integrated Circuits & Applications laboratory, Microprocessor& Micro Controller laboratory /Digital Signal Processing laboratory/ECAD laboratory and Microwave & Optical Communications laboratory which are fully equipped with test& measuring equipment and trainers specially designed for lab work. ECE Students Placed in reputed organisations like Tcs, Wipro, IBM, HCL, Capgemini, Value labs, Thomson Routers, Saplabs, PVOX Technologies, Netenrich, OopsRamp, Prima impact Solutions, I-Geniees Software, Microtech etc. Some of them are pursuing M.Tech, MBA and MS courses in india& abroad.

### OBJECTIVE OF PROGRAM

After completing this course, you should be able to:

- To expose the students to Digital image processing.
- To perform image enhancement techniques in spatial and frequency domain.
- To introduce mathematical modelling of image restoration and compression.
- To explore the concept of image segmentation.
- To describe object detection and recognition techniques.

### RESOURCE PERSON

**Mr. G Ramesh**

Associate Professor

Bhimavaram Institute of Engineering and Technology,  
Pennada.

### PROGRAM COORDINATOR

**Mr. J S S Rama Raju**

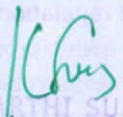
Associate Professor

BhimavaramInstitute of Engineering and Technology,  
Pennada.

### PROGRAM SCHEDULE

- VENUE: Zoom Meeting
- DATE: 31-08-2020 to 12-09-2020



  
Dr. KOPPA SURESH  
PRINCIPAL  
BHIMAVARAM INSTITUTE OF  
ENGINEERING & TECHNOLOGY

**ATWO WEEK CERTIFICATE PROGRAM  
ON "DIGITAL IMAGE PROCESSING"**

**31-08-2020 to 12-09-2020**



**Department of ECE**

Name: .....

Date of Birth: ...../...../.....

Designation: .....

College/Organization Name:

Address:.....

Email: .....

Mobile Number: .....

**DECLARATION**

The information provided is true to the best of knowledge. If selected, I agree to abide by the rules and regulations of the event/program and shall attend the event/program for the entire duration. I also take the responsibility to inform the coordinator or convener in case, if I am unable to attend the event/ program

Place:

Date:

Signature of the Applicant

Chief Patron  
Sri AVV Satyanarayana  
Secretary, BIET

Patron  
Sri A Sri Venkateswara Rao  
Joint-Secretary, BIET

Academic Patrons  
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Principal  
Prof. S Murali Krishna  
Vice-principal

Executive- Patron  
Mr.U S V Vinod  
Administrative Officer, BIET

Convener  
Mr. A.B.S.R.MANOHAR  
Associate Professor

Co-Convener  
Mr. P V V Rajesh  
Asst. Professor  
Department of ECE

Coordinator  
Mr. J S S Rama Raju  
Assistant Professor  
Department of ECE

Co-Coordinator  
Mrs. R Mani Deepika  
Mr. P S D Anvesh  
Mr. G Mahesh

**ATWO WEEK CERTIFICATE PROGRAM  
ON "DIGITAL IMAGE PROCESSING"  
31-08-2020 to 12-09-2020**



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Swamy Jnanananda Ashram Road, Pennada-534243,  
Palakoderu Mandal, W.G. Dist., Andhra Pradesh.

By  
**DEPARTMENT OF ECE**



*K. Suresh*  
**Dr. KOPPARATHI SURESH**  
**PRINCIPAL**  
**BHIMAVARAM INSTITUTE OF  
ENGINEERING & TECHNOLOGY**



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Phone: 088162 36877 email: principal@bietbvrn.ac.in www.bietbvrn.ac.in

## ENROLLMENT SHEET

NAME OF THE PROGRAM: DIGITAL IMAGE PROCESSING

DATE: 31-08-2020.

S.No	Regd No	Name of the Student	Branch	Signature
1	18AP1A0402	ADDALA MOUNIKA DEVI	III ECE	A. Mounika Devi
2	18AP1A0403	ADIRTHI PRASANNA	III ECE	A. Prasanna
3	18AP1A0405	ANUMALA SYAM KUMAR	III ECE	A. S. Kumar
4	18AP1A0406	BANDREDDY NAGA VAMSI	III ECE	B. Naga Vamsi
5	18AP1A0407	BELLAPU HIMA SAI	III ECE	B. Hima Sai
6	18AP1A0408	BOCHU NAGA DURGA DEVI	III ECE	B. N. D. Devi
7	18AP1A0409	BOLISSETTI UMALAKSHMI	III ECE	B. Umalakshmi
8	18AP1A0411	CHAVAKULA RAGHU VAMSI KUMAR	III ECE	CH. R. V. Kumar
9	18AP1A0412	CHELAMKURI ANUSHA	III ECE	CH. Anusha
10	18AP1A0413	CHELAPATI DAYAKUMAR	III ECE	CH. Dayakumar
11	18AP1A0414	CHINTALA SAI MAHESH	III ECE	CH. Sai Mahesh
12	18AP1A0415	DUDE POOJITHA SANTHOSHI	III ECE	D. Poojitha Santhoshi
13	18AP1A0416	DUDI MANIKANTA	III ECE	D. Manikanta
14	18AP1A0417	DUTTA NARENDRA	III ECE	D. Navendra
15	18AP1A0418	PODURI SAI VARA PRASAD	III ECE	P. S. V. Prasad
16	18AP1A0419	GATREDDY TEJASWI VEVEK SAINADH	III ECE	G. T. V. Sainadh
17	18AP1A0420	GUNDUBOINA PUJENDRA SAI VAMSI	III ECE	G. P. S. Vamsi
18	18AP1A0421	IRRINKI MANASA SITA	III ECE	I. Manasa Sita
19	18AP1A0422	KADALI BABJI	III ECE	K. Babji
20	18AP1A0423	KADALI HARI LATHA	III ECE	K. H. Latha
21	18AP1A0424	KANDRAKULA SAI GANESH	III ECE	K. Sai Ganesh
22	18AP1A0425	KARUMURI SIVA	III ECE	K. Siva
23	18AP1A0426	KATIKALA SUPRIYA	III ECE	K. Supriya
24	18AP1A0427	KATTA DURGA SAI	III ECE	K. Durga Sai
25	18AP1A0428	KARUVU V RANGA RAO	III ECE	K. V. Ranga Rao
26	18AP1A0429	KESIREDDY VENKATA NAGA RAJASRI	III ECE	K. V. M. Rajasri
27	18AP1A0430	KOKA DURGA SRIDHAR	III ECE	K. D. Sridhar
28	18AP1A0431	KOLA GEETHA SRI	III ECE	K. Geetha Sri
29	18AP1A0432	KOMMULA REVATHI	III ECE	K. Revathi
30	18AP1A0433	KONDA HEMA PAVANI	III ECE	K. H. Pavani
31	18AP1A0434	KOPPARTHI NAGA SATHISH	III ECE	K. N. Sathish
32	18AP1A0435	KOPPARTHI SAI KIRAN	III ECE	K. Sai Kiran
33	18AP1A0436	KOPPARTHI SURESH BABU	III ECE	K. Suresh Babu
34	18AP1A0437	KOPPARTHI VENKATA SATHISH	III ECE	K. V. Sathish

  
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35	18AP1A0439	KOTTU NAGALAKSHMI ANU KUMARI	III ECE	K.N.L.A. kumari
36	19AP5A0401	BADUGU NAGA MOUNIKA	III ECE	B. Naga mounika
37	19AP5A0403	GANISSETTI SAI PRASANTHI	III ECE	G. Sai Prashanthi
38	19AP5A0404	MAMIDISSETTY PUJITHA	III ECE	M. Pujitha
39	19AP5A0405	PITTALA SRI KAVYA	III ECE	P. Sri kavya
40	19AP5A0406	SIDDAMSETTI NAGA SAI KEERTHI	III ECE	S. keerthi
41	19AP5A0407	KORRAKUTI DHANA RAMESH	III ECE	K. D. Ramesh
42	18AP1A0440	KOYA GEETHIKA PRIYA	III ECE	K. G. priya
43	18AP1A0441	KUMARI VENKATA SHYAMALA G	III ECE	K.v. shyamala G.
44	18AP1A0442	KURELLA MALLIKA	III ECE	K. Mallika
45	18AP1A0443	MADAVARAPU LOKESH	III ECE	M. Lokesh
46	18AP1A0445	MANDAPAKA DEVI SRI SAI LAKSHMI	III ECE	M.D.S.S. lakshmi
47	18AP1A0446	MEDICHARLA VENKATA LOKESH	III ECE	M.V. Lokesh
48	18AP1A0447	NIMMALA NAGA SAI	III ECE	N. N. sai
49	18AP1A0448	NADAPANA MANIKANTA	III ECE	N. manikanta
50	18AP1A0449	NADAPANA VENKATA SAI RAM	III ECE	N.V. Sai ram
51	18AP1A0450	NALLA SARATH	III ECE	N. Sarath
52	18AP1A0451	NANDHYALA MANI KALYAN	III ECE	N. M. kalyan
53	18AP1A0452	NELLI NAVEEN	III ECE	N. Naveen
54	18AP1A0453	NIMMALA SATYA KEERTHI	III ECE	N. satya keerthi
55	18AP1A0455	PETCHETTI MANIKANTA	III ECE	P. Manikanta
56	18AP1A0456	PITTA VINEETH	III ECE	P. Vineeth
57	18AP1A0457	PODILAPU LEELA SANDEEP	III ECE	P. L. sandeep
58	18AP1A0458	POLISSETTI ANUPALLAVI	III ECE	P. Anupallavi
59	18AP1A0459	PULAPARTHI LIKHITHA	III ECE	P. Likhitha
60	18AP1A0460	ADDALA GOWTHAMI	III ECE	A. Gowthami
61	18AP1A0461	RAMAYANAM HEMA DURGA	III ECE	R. Hema Durga
62	18AP1A0462	RAMISSETTI RADHIKA	III ECE	R. Hema durga
63	18AP1A0463	SANDAKA JYOTHIKA	III ECE	S. jyothika
64	18AP1A0464	SHAIK SHARFUNNISA	III ECE	S. sharfunnisa
65	18AP1A0465	SHAIK THAJU BEGUM	III ECE	S.K. Begum
66	18AP1A0466	SODABATTULA LEELA SAI	III ECE	S. Leela Sai
67	18AP1A0467	A SRI LAKSHMI NARASIMHAM	III ECE	A.S.L. Narasimham
68	18AP1A0468	S SWAMY SANKARA GANESH	III ECE	S.S.S. Ganesh
69	18AP1A0469	TALAGALLA VASANTHA LAKSHMI	III ECE	T.V. Lakshmi
70	18AP1A0470	VASKURI SAI BHARATHI	III ECE	V.S. Bharathi
71	18AP1A0471	VAANICHYA VISHAL	III ECE	V. Vishal
72	18AP1A0472	VANACHARLA ADINAGENDRA	III ECE	V. ADI Nagendra
73	18AP1A0473	VEMPADAPU THOMAS	III ECE	V. Thomas
74	18AP1A0474	BOLLA VIMALA SREE	III ECE	B. vimala sree
75	18AP1A0475	YADLA LOKESH MOULI	III ECE	Y. Lokesh Mouli
76	18AP1A0476	Y GOWTHAMI SANDHYA RANI	III ECE	Y. G. Sandhya Rani
77	18AP1A0477	Y PRUDHVI NAGA SAI RAVI KIRAN	III ECE	Y.P.N.S.R. Kiran

  
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### **PROGRAM REPORT**

**DATE: 15-09-2020**

**Name of the Event: Two weeks certification program on “DIGITAL IMAGE PROCESSING”**

**Dates: 31-08-2020 to 12-09-2020**

**Resource person: Mr. G Ramesh**

Assistant professor ECE, Bhimavaram Institute of Engineering and Technology, Pennada

Email id: gamasu.ramesh@gmail.com

Contact number: 9618662343

**Name of the Coordinator: Mr. J S S Rama Raju**

**Number of students enrolled: 77**

**Venue: Zoom Meeting**

**Objective of the program:**

- To expose the students to Digital image processing.
- To perform image enhancement techniques in spatial and frequency domain.
- To introduce mathematical modelling of image restoration and compression.
- To explore the concept of image segmentation.
- To describe object detection and recognition techniques.

**Topics covered:**

- Concepts of image processing and analytical methods to use in image processing.
- Image enhancement in spatial domain, image restoration.
- Image compression, image segmentation.
- Morphological image processing.
- Learning about object detection and recognition techniques.
- Elucidate the mathematical modelling of image restoration and compression.
- Concepts of image processing.
- Design of basic spatial filtering and smoothing and sharpening spatial filters.



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email:principal@bietbvm.ac.in

www.bietbvm.ac.in

### **Outcomes of the program:**

At the end of the course, the student will be able to

- To understand the basic concepts of Digital image processing.
- To perform image enhancement techniques in spatial and frequency domain.
- To elucidate the mathematical modelling of image restoration and compression.
- To apply the concept of image segmentation.
- To describe object detection and recognition techniques.

  
**PROGRAM COORDINATOR**

  
**HEAD OF THE DEPARTMENT**

  
**Dr. KOPPARTHI SURESH**  
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West Godavari District, Andhra Pradesh 534243

Phone: 088162 36877,

email:principal@bietbvm.ac.in

www.bietbvm.ac.in

### **Outcomes of the program:**

At the end of the course, the student will be able to

- To understand the basic concepts of Embedded systems.
- To get awareness on microcontrollers and microprocessors.
- To understand the criteria for choosing a microcontroller.
- To understand variations of speed, packing, memory and cost per unit.
- To understand concept of Embedded systems.



**PROGRAM COORDINATOR**

**HEAD OF THE DEPARTMENT**

**Dr. KOPPARTHI SURESH**  
**PRINCIPAL**  
**BHIMAVARAM INSTITUTE OF**  
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