



REPORT ON Awareness Workshop on “High Performance Computing” under AICTE-SANKALP

Event Type : Workshop

Date / Duration : 18.07.2025, One Day

Name of Resource Person: Dr. P. Venkat Rao, Associate Professor, ECE Dept , LBRCE.

Name of Coordinator : Mr. T. Anil Raju, Associate Professor, ECE Dept , LBRCE

Target Audience : III year students

Total no of Participants : 60 students, 10 faculty

Event Description:

The Department of Electronics and Communication Engineering (ECE), LBRCE, in collaboration with the All-India Council of Technical Education (AICTE), New Delhi, successfully conducted a one-day AICTE-SANKALP Awareness Workshop on High Performance Computing (HPC) on **July 18, 2025**.

The event commenced with an introductory address by **Dr. K. Appa Rao**, the Principal of LBRCE, who highlighted the growing significance of High Performance Computing in transforming research and industry sectors. He emphasized the role of such workshops in equipping students and faculty with cutting-edge computational skills essential for the future.

Following the Principal’s address, **Dr. G.L.N. Murthy**, In-charge Head of the Department of ECE, formally inaugurated the workshop at 11:00 AM. Dr. Murthy delivered a warm welcome to the participants and stressed the importance of collaborative efforts in advancing HPC knowledge within academic institutions.

The workshop coordinator, **Mr. T. Anil Raju**, then outlined the schedule and objectives of the program, encouraging active participation and engagement throughout the sessions.

The core of the workshop was led by the eminent resource person, **Dr. P. Venkat Rao**, a C-DAC Master Trainer and AICTE-nominated expert on HPC. Dr. Rao delivered insightful and comprehensive sessions covering key topics, including:

- **HPC Architecture: An Introduction to High Performance Computing** — explaining the fundamental components and design principles of HPC systems.
- **Parallel Programming using OpenMP and MPI** — introducing participants to programming models that enable concurrent computations.
- **Parallel Programming with Co-Processors (GPU Programming and CUDA)** — demonstrating how GPUs and CUDA technology accelerate computational tasks.

Dr. P. Venkat Rao also showcased live demonstrations of experiments performed on the Param Utkarsh supercomputer, providing attendees with a practical understanding of HPC capabilities.

This workshop was conducted under the AICTE-SANKALP initiative, which aims to foster awareness and skill development in High Performance Computing among students and faculty across technical education institutions in India, facilitated by AICTE Master Trainers.

Participants who completed the workshop received certificates of engagement bearing the AICTE logo,

marking an important milestone in their academic and professional development.

Applications of HPC discussed during the workshop included:

- Academic Research
- Science and Engineering
- Business Intelligence
- Design and Simulation

Feedback / Suggestions :

It is very useful workshop but only thing is time is not sufficient to learn all topics.

Need to conduct more number of hands-on sessions on GPU processing, HPC cluster in future.

Event Banner:

Lakireddy Bali Reddy College of Engineering
Department of ECE.

Organizing

Awareness Workshop on
High Performance Computing
Under
AICTE-SANKALP

Keynote Speaker
Dr. P. Venkat Rao,
AICTE-HPC-Master Trainer

18/07/2025,
1.00 PM

Mr. T. Anil Raju
Faculty Coordinator

Dr. G. Srinivasulu,
HOD ECE

Event Photographs:



Welcome address by III year student coordinator



Dr. K. Appa Rao, Principal of LBRCE, addressing the audience during the inauguration of the AICTE-SANKALP Awareness Workshop on High Performance Computing (HPC) held on July 18, 2025.



Dr. G.L.N. Murthy, In-charge Head of the Department of ECE, delivering the welcome address and inaugurating the HPC Awareness Workshop at LBRCE.



Mr. T. Anil Raju, Workshop Coordinator, outlining the schedule and objectives of the AICTE-SANKALP HPC Awareness Workshop to the participants.



Mylavaram, Andhra Pradesh, India
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 18/07/2025 01:30 PM GMT +05:30

Dr. P. Venkat Rao, AICTE-C-DAC Master Trainer, delivering a detailed importance of HPC parallel programming during the



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Dr. P. Venkat Rao, delivering a detailed session on HPC architecture and parallel programming during the workshop at LBRCE.

News articles about the event:

**నూతన టెక్నాలజీపై
 అవగాహన పెంపొందించి**

మైలవరం: నూతన టెక్నాలజీపై విద్యార్థులు అవగాహన పెంచుకోవాలని ప్రిన్సిపాల్ డాక్టర్ కె. అప్పారావు పేర్కొన్నారు. మైలవరం లకిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాల ఎలక్ట్రానిక్స్ అండ్ కమ్యూనికేషన్ ఇంజనీరింగ్ విభాగం ఆధ్వర్యంలో రెండు రోజుల వర్క్ షాపు శుక్రవారం నిర్వహించారు. కళాశాల అధ్యాపకులు డాక్టర్ పి. వెంకటరావు రిసోర్స్ పర్సన్ గా వ్యవహరించారు. హెచ్పీసీ విశిష్టత, ఉద్యోగ అవకాశాలు, నూతన టెక్నాలజీ ఆవశ్యకతను విద్యార్థులకు వివరించారు. ఇన్చార్జి విభాగాధిపతి డాక్టర్ జీఎల్ఎన్ మూర్తి, కో-ఆర్డినేటర్ గా టి. అనిల్ రాజు, ఎలక్ట్రానిక్స్ అండ్ కమ్యూనికేషన్ ఇంజనీరింగ్ విభాగం అధ్యాపకులు పాల్గొన్నారు.

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 Source : <https://epaper.sakshi.com/>



ఈసీఈ విద్యార్థులకు కార్యశాల

మైలవరం, న్యూస్ టుడే: స్థానిక లకిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాలలో ఈసీఈ 6వ సెమిస్టర్ విద్యార్థులకు శుక్రవారం హై పెర్ఫామెన్స్ కంప్యూటింగ్ అండర్ ఏఐసీటీఈ సంకల్ప ఆంశంపై కార్యశాల నిర్వహించారు. హెచ్పీసీ విశిష్టత, ఉద్యోగ అవకాశాల గురించి వివరించారు. కార్యక్రమంలో ప్రిన్సిపల్ కె. అప్పారావు, విభాగాధిపతి మూర్తి, కో-ఆర్డినేటర్ అనిల్ రాజు, అధ్యాపకులు పాల్గొన్నారు.

Date : 19/07/2025 EditionName : ANDHRA PRADESH(AMARAVATI NTR) PageNo :

Event Participation list:

Name	Type of Participant	Year of Study	Department
Mr. M. Samba Siva Reddy	Faculty	NA	Electronics and Communication Engineering
Mr. CH. Siva Rama Krishna	Faculty	NA	Electronics and Communication Engineering
Mr. CH. Mallikarjuna Rao	Faculty	NA	Electronics and Communication Engineering
Ms. B.Lakshmi Thirupathamma	Faculty	NA	Electronics and Communication Engineering
Dr. G. L. N. Murthy	Faculty	NA	Electronics and Communication Engineering
Mrs. K. Balavani	Faculty	NA	Electronics and Communication Engineering
Mrs. B. Rajeswari	Faculty	NA	Electronics and Communication Engineering
Mr. N. Dharmachari	Faculty	NA	Electronics and Communication Engineering
VEERAVALLI MANASA	Student	3rd year	Electronics and Communication Engineering
Gonela Durgapravallika	Student	3rd year	Electronics and Communication Engineering
Gudela Supriya	Student	3rd year	Electronics and Communication Engineering
AMIREDDY KRISHNA SAI RAM	Student	3rd year	Electronics and Communication Engineering
A.Sai Sravani	Student	3rd year	Electronics and Communication Engineering
lenka manikanta	Student	3rd year	Electronics and Communication Engineering
Mythri Yaramala	Student	3rd year	Electronics and Communication Engineering
Mounika Dhanasiri	Student	3rd year	Electronics and Communication Engineering
RAMAKURI ASHOK	Student	3rd year	Electronics and Communication Engineering
Dharani Devagiri	Student	3rd year	Electronics and Communication Engineering
Kolluri Rajeswari	Student	3rd year	Electronics and Communication Engineering
Bejawada Sambasiva Rao	Student	3rd year	Electronics and Communication Engineering
Sykam.Poojitha	Student	3rd year	Electronics and Communication Engineering
Syed Asif Basha	Student	3rd year	Electronics and Communication Engineering
S. Deepthi	Student	3rd year	Electronics and Communication Engineering
B.Rajeswari	Student	3rd year	Electronics and Communication Engineering
Mallela jagannth chakravarthi	Student	3rd year	Electronics and Communication Engineering
KANDI GURU SAI MANIKANTA REDDY	Student	3rd year	Electronics and Communication Engineering
Ande Akhila	Student	3rd year	Electronics and Communication Engineering
SEELAM MANASA REDDY	Student	3rd year	Electronics and Communication Engineering
B.bhavya	Student	3rd year	Electronics and Communication Engineering
Polisetty Jaya Sai Teja	Student	3rd year	Electronics and Communication Engineering

TUMU NAGESWARI	Student	3rd year	Electronics and Communication Engineering
Merugu Anusha	Student	3rd year	Electronics and Communication Engineering
J.vamsi reddy	Student	3rd year	Electronics and Communication Engineering
ATTHUNURU SWATHI	Student	3rd year	Electronics and Communication Engineering
Peravali Sowjanya	Student	3rd year	Electronics and Communication Engineering
Lakku Hema Latha	Student	3rd year	Electronics and Communication Engineering
Kolusu laalu prasad	Student	3rd year	Electronics and Communication Engineering
Boddu Jahnavi	Student	3rd year	Electronics and Communication Engineering
k.Naveena	Student	3rd year	Electronics and Communication Engineering
Addagatla Pavani Maha Lakshmi	Student	3rd year	Electronics and Communication Engineering
D. KRUPANJALI	Student	3rd year	Electronics and Communication Engineering
Boppana srimahalakshmi	Student	3rd year	Electronics and Communication Engineering
SRIJITHA MATHE	Student	3rd year	Electronics and Communication Engineering
MALLARAPU MANI KISHORE	Student	3rd year	Electronics and Communication Engineering
Sripathi Devi Sri Durga	Student	3rd year	Electronics and Communication Engineering
R. AnkithaSri	Student	3rd year	Electronics and Communication Engineering
Alluri Uma Mahesh	Student	3rd year	Electronics and Communication Engineering
ELAKOTI VENKATA SAI SUDARSHAN REDDY	Student	3rd year	Electronics and Communication Engineering
Gurrala Dhana Pragna Sree	Student	3rd year	Electronics and Communication Engineering
A.S.V.Lakshmi devi	Student	3rd year	Electronics and Communication Engineering
B. Lavanya	Student	3rd year	Electronics and Communication Engineering
MADDELA JAHNAVI	Student	3rd year	Electronics and Communication Engineering
KANDULA PRABHOD KUMAR	Student	3rd year	Electronics and Communication Engineering
Mukkala keerthi reddy	Student	3rd year	Electronics and Communication Engineering
Mekala Keerthana	Student	3rd year	Electronics and Communication Engineering
B Gangadhar Reddy	Student	3rd year	Electronics and Communication Engineering
M.Kavitha	Student	3rd year	Electronics and Communication Engineering
UTIKONDA ANJALI	Student	3rd year	Electronics and Communication Engineering
Tirumanagiri Jahnavi	Student	3rd year	Electronics and Communication Engineering
Sairigapu Navya Shree	Student	3rd year	Electronics and Communication Engineering
KANCHARLA HEMA LATHA	Student	3rd year	Electronics and Communication Engineering
Desu Dhanusha	Student	3rd year	Electronics and Communication Engineering

SIRUGUDI SWATHI	Student	3rd year	Electronics and Communication Engineering
Sangana.Anjanasri	Student	3rd year	Electronics and Communication Engineering
K Hemalatha	Student	3rd year	Electronics and Communication Engineering
Sukanya M	Student	4 th year	Electronics and Communication Engineering
M Kavitha	Student	4 th year	Electronics and Communication Engineering
Kancharla Hemalatha	Student	4 th year	Electronics and Communication Engineering
S. Avinash	Student	4 th year	Electronics and Communication Engineering

Sample participation certificate:



AICTE-SANKALP

Certificate of Participation

This is to certify that **Sangana.Anjanasri**, bearing Roll Number **22761A0413**, from the ECE Department has actively participated in the Awareness Workshop on **High Performance Computing** organized at Lakireddy Balireddy College of Engineering on **18th July 2025**.



Dr Sunil Luthra
Director, TLB, AICTE



Dr. P. Venkat Rao
C-DAC HPC Master Trainer,
Department of ECE, LBRCE,
Mylavaram.

HOD, ECE