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Dr. S. Thirumavalavan, Professor, Bharath Institute of Higher Education and Research, Chennai, TN.

#### Institute Advisory Committee

Prof. S. Karthikeyan, Assistant Professor / Mech

Prof. L. Nirmal Raj, Assistant Professor / Mech

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Prof. B. Anand, Assistant Professor / Mech

Prof. N. Manoj, Assistant Professor / Mech

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### About the Institution

Jai Shriram Engineering College (JSREC) was endowed by Shenthil Velevan Trust in the year 2009 with a motto of equipping and implanting the seed of higher education approved by All India Council for Technical Education (AICTE), affiliated to Anna University, Chennai and accredited by NAAC. The Institution is functioning with a motive of taking higher education to the rural people at all levels of economic platform. The institution offers B.E., B.Tech, M.E. and M.B.A. programmes. The only Institution managed by global level machine building Industry. It follows student centric teaching learning process that focuses on overall grooming of every student for the dynamic needs of their specialization.

### About the Department

The department was started in the year 2009 for the undergraduate program in B.E Mechanical Engineering with an intake of 60 students. The department offers high quality education to the students through very good infrastructure, laboratories, and faculty and by means of exposure to latest technologies. The department has highly qualified and well experienced teaching staff, who take extreme care for the development of the careers of the students. The department is very much oriented towards research and development as well as in consultancy. The department is in the verge of establishing centre of excellence with the sole purpose of conducting high quality research and development activities in the latest areas such as hydraulics, materials (smart and nano), robotics, vibrations and technology and automation.

#### CONTACT ADDRESS

The Convener,  
AMPC'2k22  
Department of Mechanical Engineering,  
Jai Shriram Engineering College,  
Dharapuram Road, Avinashipalayam, Tiruppur-638 660. India.

#### CONTACT NUMBERS:

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E-MAIL ID: [ampc2k22@gmail.com](mailto:ampc2k22@gmail.com)

Three days International Workshop  
on  
**Advanced Materials Processing  
and Characterization  
(AMPC'2k22)**  
**24<sup>th</sup> March – 26<sup>th</sup> March 2022**  
(Virtual)

### Organised by

**The Department of Mechanical Engineering**



**JAI SHRIRAM  
ENGINEERING COLLEGE**

"Towards Academic Excellence"

Avinashipalayam, Tirupur-638 660.

Jointly with



**Barani Group Companies**  
Coimbatore, India.

In Technical Collaboration with



**Dr. M.G.R**

**EDUCATIONAL AND RESEARCH INSTITUTE**

(Deemed to be University with Special Autonomy Status)

Accredited by NAAC with 'A' Grade (CGPA 3.31 for 4 point scale)

An ISO Certified Institution



**Tishk International University-Erbil,**  
**Kurdistan Region, Iraq.**

## About the Barani Group Companies

Barani is a prominent manufacturer, supplier and exporter of hydraulic presses and SPMs to leading brake liner manufacturers, clutch, axles, brakes and steel wheel manufacturers in India. The Coimbatore-based Barani Group Companies has become one of the global leaders in manufacturing custom-built hydraulic presses. The home-grown company has bagged some substantial overseas orders in recent times and is looking to cementing its place as one of the world leaders in the hydraulic press manufacturing field. Now Barani hydraulics is a perfect example for 'Make-in-India' programme, considering the global customer base it has developed in different sectors. The company designs and develops all its machines in-house and delivers outstanding product quality to an extent that they have been approved by the most stringent Japanese and European standards, Thus paving the way for its becoming an increasingly popular and reliable brand for hydraulic presses at the global level.

## About the Workshop

The course will cover the modern developments in materials processing involving metal deposition, micro machining, additive manufacturing, composite processing and welding and materials characterization. Participants will be assumed to have basic knowledge of manufacturing and characterization, since only Advancements in materials processing and characterizations will be discussed.

## PROGRAMME CONTENTS

- Materials and Manufacturing
- Processing Challenges of Advanced Materials
- Novel Materials Processing
- Processing of Advanced Composites
- Plasma Processing of Materials
- Artificial Intelligence in Casting Process
- Additive Manufacturing
- Processing of Nanocomposites
- Polymer Composites
- Advanced Joining Methods
- Green Composites
- Structure Property Correlations
- Mechanical Characterization
- Metallurgical Characterization
- Thermal Energy based Characterization.

## IMPORTANT DATES

Deadline for Registration: **20.03.2022**

Confirmation of Registration: **22.03.2022**

## GUIDELINES

- The authors are requested to submit the proof of payment to: [ampc2k22@gmail.com](mailto:ampc2k22@gmail.com)
- 80% of attendance is mandatory for the issue of certificate.
- Participants are asked to register using the following link  
<https://forms.gle/Hun1BtRCV4QjkLtBA>



## REGISTRATION FEE

Delegates	Early Bird Registration	Late Registration
Hosting Institutions Students	Rs. 150	Rs. 200
UG Students, PG Scholars / Research Scholars/Faculty	Rs.200	Rs. 250
Industry	Rs. 250	Rs. 300
Foreign Delegates	10 USD	15 USD

The delegate's registration fee covers cost of Workshop sessions and hard copy of the certificate. Registration fee is payable by DD in favor of THE ORGANIZING SECRETARY-CSE JAY SHRIRAM GROUP OF INSTITUTIONS payable at Tirupur or by UPI Money transfer or by cash.

For money transfer:

**A/C no: 0099053000011494**

**BANK NAME: SOUTH INDIAN BANK**

**BRANCH NAME: KODUVAI**

**IFSC CODE: SIBL0000099**

For UPI transactions, Scan below QR code



After completion of registration process, kindly join in our whatsapp group for further communications.



Please log on to our website for more details.

