

**Chief Patron**

Dr. Nandan Gupta  
Director, SVIST

**Patron**

Dr. Sonali Sarkar  
Principal, SVIST

**Chief Guest**

Prof. P.K. Bose

**Keynote Speakers**

Prof. Cheruvu Siva Kumar  
Professor, Dept. of Mechanical Engg.  
IIT Kharagpur

Dr. Golam Kibria

Alia University

**Organizing Secretary**

Mr. Suman Das  
HOD, M.E, SVIST

**Program Coordinators**

Mr. Dhruvajyoti Chakraborty  
Asst. Professor, M.E., SVIST

Dr. Somnath Das

Asst. Professor, M.E., SVIST

**Program Supervisor**

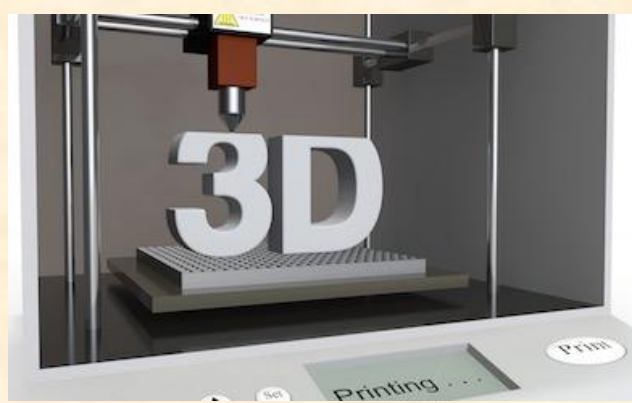
Mr. Arindam Chakraborty  
Asst. Professor, M.E., SVIST

**Technical Committee Members**

Mr. Ashoke Laha (M.E.), SVIST  
Mr. Sudipta Nath (M.E.), SVIST  
Mr. Utpal Madhu (M.E.), SVIST  
Mr. Ranjit Kr. Das (M.E.), SVIST  
Mr. Barun Chakraborty (M.E.), SVIST  
Mr. Saumya Singha (M.E.), SVIST  
Mr. Subrata Barman (M.E.), SVIST  
Mr. A. Bhattacharjee (M.E.), SVIST  
Mr. Jayanta Chakraborty (M.E.), SVIST

**Technical Sub-Committee Members**

Mr. Amit Dutta (M.E.), SVIST  
Mr. Gouranga Bor (M.E.), SVIST  
Mr. Tarun Bhattacharjee (M.E.), SVIST  
Mr. Samanta Kumar Sardar (M.E.), SVIST  
Mr. Sagata Banerjee (M.E.), SVIST  
Mr. Netai Bor (M.E.), SVIST  
Mr. Krishna Mohan Barman (M.E.), SVIST

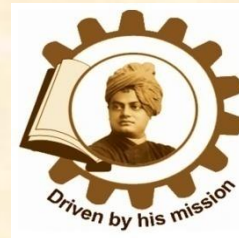


**TWO DAYS WORKSHOP ON**

# 3D Design and 3D Printing

*Organized by*

DEPARTMENT OF MECHANICAL ENGINEERING  
SWAMI VIVEKANANDA INSTITUTE  
OF SCIENCE & TECHNOLOGY



Venue: Institute Seminar Hall

Dakshin Gobindapur,

P.S: Sonarpur

Kolkata; 700145

Website: [www.svist.org](http://www.svist.org)

Phone & Fax: 033-2437-9913

# 28<sup>th</sup> & 29<sup>th</sup> Sept' 2018

## **Program Schedule:**

**28<sup>TH</sup> SEPTEMBER, 2018:** Introduction to 3D Printing and Hands on session on Computer Aided Design.

**29<sup>TH</sup> SEPTEMBER, 2018:** Hands on session on Slicing 3D Models, 3D Printing and Valedictory Session.



## OBJECTIVE OF THE WORKSHOP

Since the 1950s, a number of writers and social commentators have speculated in some depth about the social and cultural changes that might result from the advent of commercially affordable additive manufacturing technology. Amongst the more notable ideas to have emerged from these inquiries has been the suggestion that, as more and more 3D printers start to enter people's homes, the conventional relationship between the home and the workplace might get further eroded. The learning objectives of this workshop are as follows:

- ❖ Introduction to 3D Printing.
- ❖ Additive Manufacturing.
- ❖ Introduction to CAD in 3D.
- ❖ Making a 3D Model.
- ❖ Design Considerations.
- ❖ 3D CAD File Formats.
- ❖ Stereolithography Files.
- ❖ Preparation of Print Ready Files.
- ❖ Slicing a 3D Model.
- ❖ Tools and Techniques for Slicing.
- ❖ Material Considerations.
- ❖ Support Structure for 3D Printing.
- ❖ 3D Printing from CAD files.
- ❖ Commercial aspects of Various 3D Printers.
- ❖ Learn about Post Processing in 3D Printing.
- ❖ Trends and future of 3D Printing.

## ABOUT SVIST

Swami Vivekananda Institute of Science and Technology (SVIST) is a self-financing engineering college providing state-of-art infrastructure and quality education. It provides a distinctive relevant combination of academic skills and technical experience and thereby caters for professional and personal development of its students.

- It provides wide range of education and high quality training opportunities.
- It fosters intellectual development of the members of the institute.
- It provides service to individuals and organizations.

## ABOUT ME DEPARTMENT

With excellent infrastructure and highly qualified and experienced faculty members, the department is one of the best amongst the colleges affiliated to WBUT. It maintains a cordial relationship with the industry. Faculty members, apart from their academic schedule, take active part in research and developmental works.

## ELIGIBILITY FOR PARTICIPATION

Any student of AICTE approved engineering colleges/ Polytechnic colleges or UGC recognized college can participate in the workshop.

## REGISTRATION FEES

For Students for 2 days	Rs.400/-
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Payment of registration should be made by cash on or before 23<sup>rd</sup> Sept, 2018 in M.E Dept, SVIST.  
\* Registration fees include lunch and kits.  
\* A Certificate of participation will be provided to the participants.

## TRANSPORT AND COMMUNICATION

SVIST is situated at Gobindapur at a distance of 8 K.m. from Garia & 3 K.m. before Baruipur adjacent to the bye-pass road.

**By Bus:** The venue can be reached by Barasat-Baruipur or CTC- Baruipur bus from Garia or Kamalgazi and will have to get down at Gobindapur stoppage.

**By Train:** Nearest railway station is Baruipur. Local train (except Budge Budge, Canning, Sonarpur Local) can be availed starting from Sealdah (South) to Baruipur. From there auto-rickshaws are available to Gobindapur.

**By Metro:** The nearest metro station is Kavi Nazrul (GariaBazar). From there auto-rickshaws are available to Gobindapur.

SVIST is at 5 minutes of walking distance from Gobindapur towards the bye-pass. Rickshaws are also available from Gobindapur to the college.

## TRAVEL

No travelling allowance will be provided by the organizing committee.

## CONTACT PERSONS

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