

TRIDENT ACADEMY OF TECHNOLOGY



**AICTE SPONSORED ONE-WEEK ONLINE  
SHORT TERM TRAINING PROGRAMME(STTP)  
ON**



**“Artificial Intelligence and Machine  
Learning for Signal Processing”**

**24<sup>th</sup> May 2021 to 29<sup>th</sup> May 2021**

Organized By  
Department of Electronics and Telecommunication Engineering

**Program Schedule**

Date	Time	Title of the Topic	Resource Person
24-05-21	10.30 AM to 11.00 AM	<b>Inauguration</b>	-
	11.00 AM to 11.45 AM	“Artificial Intelligence and Advanced Learning: Present and Future Tools”	<b>Keynote Address</b>
	11.45AM to 01.00 PM	Installation of software for hands on session	<b>Hands on Session by Mr.Aashish Pandey Technical Consultant &amp; Trainer, Solution Space, One stop solution, Gujurat</b>
	02.00 PM to 05.00 PM	<ul style="list-style-type: none"><li>• Linear Algebra Refresher</li><li>• Probability Theory Refresher</li><li>• Digital Signal Processing Refresher</li><li>• Machine Learning basics</li></ul>	
25-05-21	09.45 AM to 11.45 AM	“Diagnosis of Cancer based on Convolutional Neural Network”	<b>Invited Talk</b>
	11.45 AM to 01.00 PM	Probability Models and Expectation	<b>Hands on Session by Mr.Aashish Pandey Technical Consultant &amp; Trainer, Solution Space, One stop solution, Gujurat.</b>
	02.00 PM to 05.00 PM	Maximization Algorithm	
26-05-21	09.45 AM to 01.00 PM	<ul style="list-style-type: none"><li>• Neural Networks and Deep Learning</li></ul>	<b>Hands on Session by Mr.Aashish Pandey Technical Consultant &amp; Trainer, Solution Space, One stop solution, Gujurat.</b>
	02.00 PM to 05.00 PM	<ul style="list-style-type: none"><li>• ML for Audio Classification</li></ul>	
27-05-21	09.45 AM to 01.00 PM	<ul style="list-style-type: none"><li>• ML for Speech</li></ul>	<b>Hands on Session by Mr.Aashish</b>

		Recognition	<b>Pandey</b> <b>Technical Consultant &amp; Trainer,</b> <b>Solution Space, One stop solution,</b> <b>Gujurat.</b>
	02.00 PM to 05.00 PM	• ML for Music Information Retrieval	
<b>28-05-21</b>	09.45 AM to 01.00 PM	• ML for Image Processing	<b>Hands on Session by Mr.Aashish</b> <b>Pandey</b> <b>Technical Consultant &amp; Trainer,</b> <b>Solution Space, One stop solution,</b> <b>Gujurat.</b>
	02.00 PM to 05.00 PM	• Hands on session on Biomedical Image Processing	<b>Hands on Session by Mr.Aashish</b> <b>Pandey</b> <b>Technical Consultant &amp; Trainer,</b> <b>Solution Space, One stop solution,</b> <b>Gujurat.</b>
<b>29-05-21</b>	09.45 AM to 01.00 PM	• ML for Communication	<b>Hands on Session by Mr.Aashish</b> <b>Pandey</b> <b>Technical Consultant &amp; Trainer,</b> <b>Solution Space, One stop solution,</b> <b>Gujurat.</b>
	02.00 PM to 03.00 PM	Feedback and Question Answer Session	-
	03.00 PM to 04.30 PM	Assessment Test	-
	04.30 PM to 05.00 PM	<b>Valedictory Ceremony</b>	-