



### LEARNING SPIRAL PRIVATE LIMITED

An ISO 9001:2008 Organization

The Institute of Electrical and Electronics Engineers (IEEE), an association dedicated to advancing innovation and technological excellence, is the world's largest technical professional society serving professionals from electrical, electronic, computing fields and related areas of science and technology that underlie modern civilization. IEEE produces over 30% of the world's literature in the electrical and electronics engineering and computer science fields, publishing well over 100 peer-reviewed journals.

### Challenges

Our customer had to identify the necessary improvement processes and supporting technology that would enable them to meet their ambitious goals and to cater these requirements:

1. The client required to convert huge backlog of research papers within a stipulated bracket of time.
2. Search was to create a platform from where the contents can be easily reused and modified further with best available techniques and solutions.
3. Client wanted to meet the future publishing requirement, where the content can be repurposed for creation of eBooks which can be further accessible across different digital platforms.
4. Emphasizing on correct representations of all mathematical expressions maintaining 100% accuracy.

### LSPL Solutions

1. LSPL used a web-based platform which provides an end-to-end multi-channel digital workflow for the creation of structured reusable content.
2. A leased-line connectivity enabled us to maintain the complete database onto web for 24 x 7 share with the client.
3. Content creation, editing, corrections and formatting into a streamlined workflow were all integrated in a sync so that no loose corners are left in terms of quality of the deliverable.
4. Proposed vTex as basic code for complex mathematical equations which supports high quality image extraction for HTML view as well.
5. LSPL executed XHTML conversion from XML for the given content for further usage.
6. Deliverables were directly uploaded to client server and research papers were made available online within NO TIME!

### Result

The solution has given huge flexibility to repurpose the content for any delivery channel—from print to PCs through an XML platform, tablets, eReaders, and smart phones. Our customer has maintained a partnership, with over 2 Lac pages processed in last 6–7 months and bracing for more in near future.