Pickl.AI

POWERED BY
TRANSORG
ANALYTICS

TAKSHASHILA
UNIVERSITY

BACK TO CLASSROOM

TRANSORG ANALYTICS - TAKSHASHILA UNIVERSITY

TransOrg Analytics' decade-old expertise in data science and ML are now available for the student community.

Message
From the CEO

Naveen Jain
CEO

Computer Science is no longer just an engineering stream that it used to be a few decades ago. In the recent decades it has ballooned to become an ecosystem of software, of cloud, of AI, of blockchain, of cybersecurity and the list goes on. This is bound to continue further. That is when academia has caught up with the change and has brought super-specialized programs typically hosted in the computer science departments. This has created a sudden scarcity of super-specialized teaching talent.
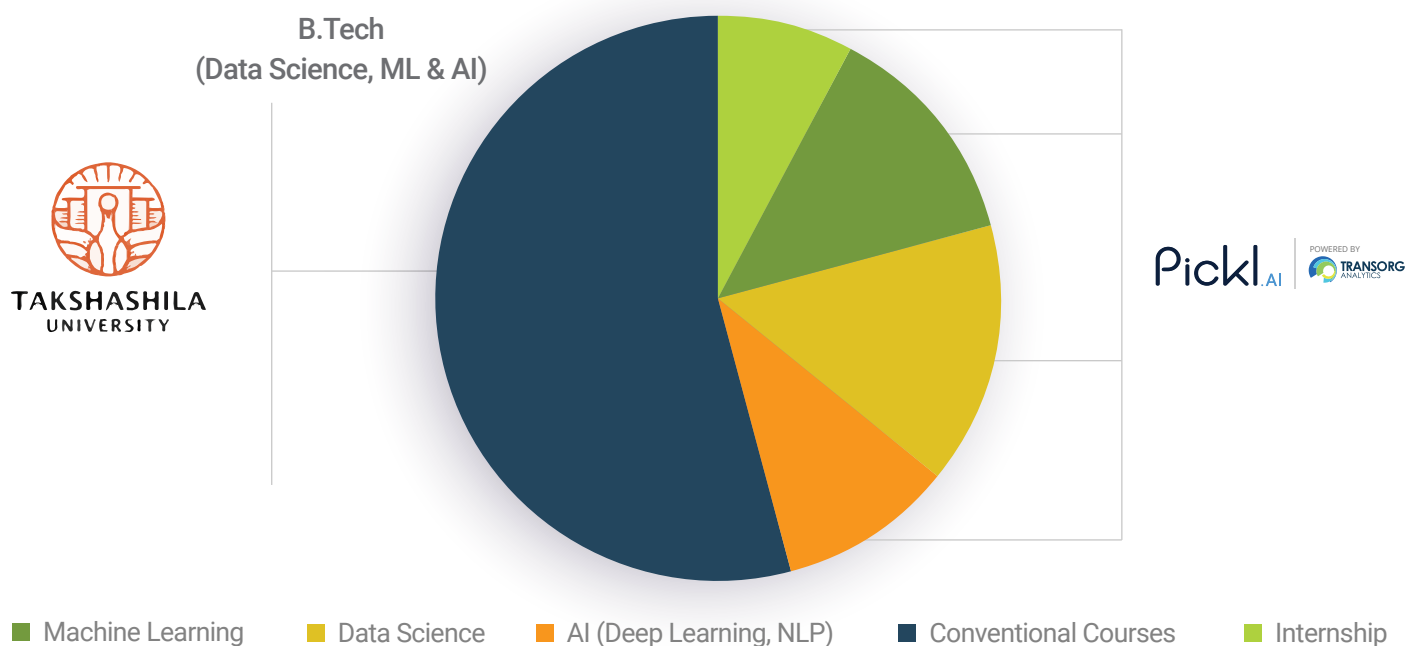
The industry feels it. Incoming fresh graduates are going through longer training programs in-house than they used to. This pain is more acute for AI companies like us that are constantly starved of good talent. There is only so much we can do if we keep bridging this gap in a piecemeal manner. Therefore, it makes sense for us to rather go to the campuses and deliver the knowledge we would impart to our own employees.

And that is the spirit of our university partnerships programs. I strongly believe that data science must become accessible to everyone who is willing to do it. TransOrg Analytics has taken the first step in disseminating its treasure of data science insights to the curious world of young learners who are keen to step out from the textbooks-based learning, love to delve into the real-world stories and find meaning in struggling with problems away from the din of the world inundated by self-obsoleting tools and mushrooming short-lived frameworks.

About the
Specialized B.Tech Program

Takshashila University along with TransOrg Analytics has set out to offer a BTech with specialization in AI and Data Science program which is a mix of conventional computer science courses and Data Science, Machine Learning and AI courses. While the university has proposed to take up the conventional courses themselves, all Data Science, ML and AI courses will be delivered by TransOrg Analytics.

TransOrg will deliver 35 courses (including courses' labs) throughout the 4 years duration of B. TECH - ARTIFICIAL INTELLIGENCE AND DATA SCIENCE. The design of the entire program and contents of each course within it would be ideated and created jointly by the experts on either side with an intent to create an immersive learning experience for students that is created in the university but is enriched with the state of the art from the industry.

**B.Tech
(Data Science, ML & AI)**

■ Machine Learning   ■ Data Science   ■ AI (Deep Learning, NLP)   ■ Conventional Courses   ■ Internship

At the end of the four years, the students will be job-ready and prepared for much better career options than any other specialization; and the skills acquired from such a course remain relevant for longer than usual.

TransOrg Analytics is mindful of the regulatory constraints in which the university works and adheres to other academic codes of conduct and quality standards that the university has set for itself.

Course
Highlights

Lean Learning

No overload of information, teaching history and evolution of the topic. We teach the most popular industry standards that are in hot demand in the jobs market.

Outcomes Driven

We are measured by our clients for the outcomes that we can bring about. Our students learn, experiment, demonstrate and graduate with job-ready skills.

Data Immersive

Every concept is demonstrated by a real-life data-based example helping students develop the muscle of thinking from a data mindset as opposed to a theoretical and distant outlook.

'Applications to Concepts' Pedagogy

We lay a solid foundation of concepts, with rigorous checks and then an application heavy oriented approach follows, allowing students to get their hands on the practical aspects of the courses.

Grounded in Anecdotes About Data

We deliver in our classes, various stories from our industry experience making learning interesting, and preparing students on the soft skills related aspects of Data Science.

It is the subtext of the textbook and the spirit of the lab projects that gives wings to a budding data scientist.

How it
Works for students

TransOrg Analytics would like to engage with the Takshashila University and its students on the following dimensions.

1 **Live Lectures** – This is the core of what we do. We provide the best-in-class practitioners for each course that we are supposed to deliver. There are cases we may not have the best suited instructor available in-house. That's where we leverage our network to get instructor to meet the program quality standards.

2 **Evaluations** – This is the academic assessments in a continuous manner (Class Assessments) as designed by the TransOrg Analytics. Running in parallel to this is our feedback framework. We use both to keep an eye on the student outcomes as well as instructor performance.

3 **Quality Checks** – TransOrg ensures a thorough quality checks on the content of the courses to keep it aligned with the latest trends in the Data Science industry. Regular feedbacks and updates are embedded into the system through online and offline medium from students as well as industry stalwarts for top-class delivery of the TransOrg's programs.

4 **Student Support Services** – Teaching Support is critical. The TransOrg lecturer may not be available all the time to resolve the technical queries of the students. Through our success manager(s) we make sure the students are not stuck on technical queries; they have technical answers to why they might have been awarded lesser marks in for a particular solution they wrote in the exam and so on.

5 **Guest Lectures** – To keep our students well-informed about the current & latest in the market, we encourage students to attend guest lectures coming from the ambassadors of the AI industry. Best-in-industry authorities are made available to the students to keep their learning multifarious and satiate their hunger to learn aggressively.

6 **Completion Certificate** – TransOrg issues industry-recognised certificate to all students who pursue TransOrg program and successfully complete it.

How it
Works for
University and Faculty

1. **Review Protocol** - For every course that we are responsible to deliver, we decide upon the pedagogy, content, and assessment criteria. We also agree upon a review protocol for content details and quality. From time-to-time we tweak the syllabus to include the latest use-cases as part of the courses we deliver, keeping university and authority in-loop.

2. **Qualitative Feedback** - We collect various types of feedback about the program from all stakeholders – students and key university professors involved in the program – on various aspects of the courses. This assessment is additional to what might be stipulated by the university. This is our own internal rigor for quality that can even replaces our instructors if they can't command the interest of the class.

3. **Real Case Studies -** We are best known for making our students work on real case studies and real data. University can safely sit back and entrusts TransOrg for making their students industry ready.

4. **Guest Lectures** - University shares a few broad areas of its interest. We then scan our network and try to arrange the closely relevant match for what they are looking for.

5. **Admissions Support** - We assist the university in their digital marketing efforts acting as a co-pilot and spreading awareness about the course through our digital channels. Our senior team members make themselves available in the webinars and other outreach activities by the university that helps improve them in student conversions. TransOrg provide training to university's admission and counseling teams about the TransOrg specialized programs.

6. **Placement Assistance** - Focused sessions on the aspects such as resume building and mock interviews to prepare a candidate for the recruitment process, during their pre final and final year. We don't believe in getting our students a fish or two. Instead, we teach them how to fish.

Internship
Program (For Final Year Students)

What is Internship Program?

Learn from practicing Data Scientists who 'eat data' for breakfast

TransOrg is happy to offer a complimentary 5 months Certificate Program in Machine Learning and Data Science to final year BTech students as part of their internship (final) semester The program is a perfect blend of theoretical concepts and practical knowledge, delivered to you by trailblazers of the field, who will coach you or advise you, as per your need. Highlight of the program is internship certificate by Pickl.AI powered by TransOrg Analytics and an opportunity for meritorious students to interview for various tech and non-tech roles at TransOrg.

Program Content

- Basics of Data Analysis
- Python and Python Libraries
- Statistics
- Intro to Machine Learning
- Supervised Learning 1
- Supervised Learning 2
- Unsupervised Learning
- Tableau

Live Case Studies Classes

Internship at Pickl.AI (Live Project with TransOrg)

Interview with TransOrg Analytics

Program Overview

- ANYTIME LEARNING : 45+ hours of videos
- KNOWLEDGE CHECK: 30+ hours assignments and quizzes
- LEARNING OUT OF THE BOX: 35 hours of reading material
- INDUSTRY EXPERIENCE: 1-month live project with practicing Data Scientists
- FLIPPED LIVE CLASSROOMS: 10 hours live real-life case studies classes

Teaching Methodology

- Killing the mythical monster called programing
- Seeing Data Science in real-world, beyond books
- Talking to the instructors 'live'
- Learning by doing varying levels of assignments and quizzes

Certification Criteria

Students shall be awarded a certificate post the submission of mandatory project work. Our objective is to ensure that they get strong hands-on experience so that they are well-prepared for a Data Science career ahead.
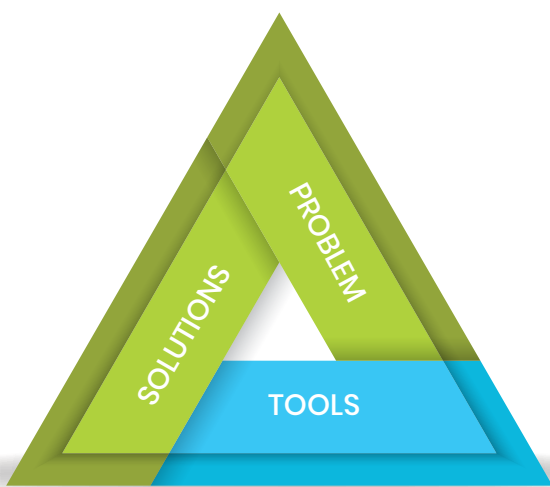
Learning Outcomes

- To develop an intuitive understanding of Data Science and a good grasp over ML algorithms
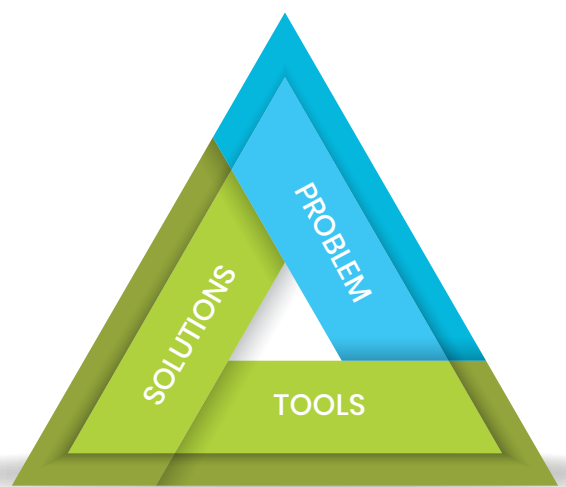- To be industry-ready in terms of both knowledge and practical exposure

Our
Pedagogy

1 **Problems first, tools later**. Well, that's our way. Tools evolve all the time. If you are trained on tools-first approach, you are bound to get obsolete sooner than you think. A problem-first mindset with an eye to choose the suitable tools is what prepares the students for a longer haul. We follow this approach.

Problem-tools-solutions cycle remains the same, the starting points differ.

✔ **Recommended**

Tools centric approach

Problem centric approach

2 **Embedded in industry case studies** – This is a must-have if an academic institution is looking to have an industry partner. And we have a lot of them, always flowing in from our projects in various domains. A case brings the problem alive to a student and earlier than he/she would otherwise encounter in life. It keeps the students tied to the subtext of textbooks and the spirit of the experiments in the labs.

3 **Enabling than spoon feeding** – COVID-19 has been a great leveller in learning. There has been a proliferation of good quality content which is open source. Access to multiple sources of learning has widened. Our pedagogy takes this shift into account. We provide a balanced dose of classroom, instructor-centric teaching and a self-learning based on curated content. This not only makes our delivery more scalable but also makes the students more confident about their learnings.