TCS/PR/SE-122/2019-20

December 3, 2019

National Stock Exchange of India Limited
Exchange Plaza, Bandra Kurla Complex,
Mumbai - 400051
Symbol - TCS

BSE Limited
P. J. Towers, Dalal Street,
Mumbai -400001
Scrip Code No. 532540 (BSE)

Dear Sirs,

We are sending herewith copy of the Press Release titled "**Current Patent Laws are Inadequate for AI-related IP: New TCS Report"** which will be disseminated shortly.

The Press release is self-explanatory.

Thanking you,

Yours faithfully,
For **Tata Consultancy Services Limited**

Rajendra Moholkar
Company Secretary

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For immediate use **PRESS RELEASE**

Current Patent Laws are Inadequate for AI-related IP: New TCS Report

Tata Consultancy Services' Latest Report, Released in Partnership with CII, Captures Trends in AI Research, and how IP Protection Regimes Need to Evolve to Match Developments in AI

NEW DELHI, December 03, 2019: Tata Consultancy Services (TCS), (BSE: 532540, NSE: TCS), a leading global IT services, consulting and business solutions organization, has published a new report titled *Understanding the Dynamics of Artificial Intelligence in Intellectual Property*.

Designed to provide technologists, academicians, entrepreneurs, professionals and policymakers with insights on the frontiers in AI-related research and IP management and protection, the report was released today in partnership with the Confederation of Indian Industry (CII) at the 5th International Conference on IPR, organized by CII in collaboration with the Department for Promotion of Industry and Internal Trade, Government of India, and the Intellectual Property Office, India.

The report captures trends in AI-related research globally, noting for example that while machine learning is the most common AI technique, mentioned in 89% of the patents filed, deep learning (DL) is the fastest growing technique mentioned in patent filings. Another finding is that the highest number of patent families are in computer vision (49%), NLP (14%) and speech processing (13%). While it is no surprise that US and China lead the world in AI-related patents, it comes as an eye opener that China leads the world in deep learning, with the Chinese Academy of Sciences owning the largest DL-related patent portfolio and Baidu leading the pack among corporates globally.

The report also covers current trends in enterprise spending on AI, which is emerging as a key technology component of most organizations' growth and transformation initiatives. A TCS survey revealed that the most impactful deployments of AI by enterprises were in the areas of automation of IT operations, personalized marketing with targeted offers, dynamic pricing, matching sales leads to appropriate teams, gauging customer or investor sentiments and identifying potential customer credit problems.

The report maps how the patent laws of different jurisdictions address the matter of AI-specific IP, and the challenges that new technologies pose to present day IP management and protection regimes. According to the report, the IP creation and protection ecosystem will have to adapt by developing new doctrines to address those challenges and evolve new policies for the enforcement of IPRs in an AI-led world.

Speaking on the occasion, **Dr Santosh Mohanty, Global Head, Components Engineering Group, TCS**, said, "*To accelerate growth to become a $5 trillion economy, India will require sustained innovation using technologies like AI, and its adoption and scaling across social strata. We have one of the best technology talent pools in the world. If we fast-track and balance our progress on innovation, IP management and entrepreneurship, we can realize the potential to become a global AI powerhouse.*"

To download the report go to: https://on.tcs.com/Report-AI-in-IP

For immediate use **PRESS RELEASE**

About Tata Consultancy Services Ltd. (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that has been partnering with many of the world's largest businesses in their transformation journeys for the last 50 years. TCS offers a consulting-led, cognitive powered, integrated portfolio of business, technology and engineering services and solutions. This is delivered through its unique Location Independent Agile delivery model, recognized as a benchmark of excellence in software development.

A part of the Tata group, India's largest multinational business group, TCS has over 450,000 of the world's best-trained consultants in 46 countries. The company generated consolidated revenues of US $20.9 billion in the fiscal year ended March 31, 2019 and is listed on the BSE (formerly Bombay Stock Exchange) and the NSE (National Stock Exchange) in India. TCS' proactive stance on climate change and award-winning work with communities across the world have earned it a place in leading sustainability indices such as the Dow Jones Sustainability Index (DJSI), MSCI Global Sustainability Index and the FTSE4Good Emerging Index. For more information, visit us at www.tcs.com.

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