

IN. PSYCHOLOGY

TECH

LATEST INTRODUCED
TECHNOLOGY IN
PSYCHOLOGY

INNOVATON

TOP INNOVATION IN
PSYCHOLOGY IN TERM
2022-2023

RESEARCH

LATEST RESEARCH
PAPER

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PSYCHOLOGY

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Roshan Kumar



CONTENTS

PAGE 1

TECHNOLOGY

Wearable devices, like smartwatches and fitness trackers, can collect data.

PAGE 3

RESEARCH

A study found that dopamine release in the brain plays a key role .

PAGE 2

INNOVATION

Psychologists take aim at misinformation

PAGE 4

THEORIES

Exposure to adversity (e.g., poverty, bereavement) is a robust predictor of disruptions in psychological functioning.

TECHNOLOGY

Virtual reality (VR) therapy

VR therapy can help patients with anxiety, phobias, and post-traumatic stress disorder (PTSD). VR therapy can help patients learn coping skills and desensitize themselves to their triggers.

Artificial intelligence (AI)

AI can help develop new diagnostic tools, patient-monitoring systems, and treatment algorithms. AI can also personalize treatment plans and provide patients with real-time feedback.



INNOVATION

- Scientists reach a wider audience
- Psychologists take aim at misinformation
- Psychological research becomes more inclusive
- EDI roles expand
- Worker well-being is in demand
- Efforts to improve childrens' mental health increase
- Industrial-Organizational psychology is pivotal in 2023
- The fusion of technology and mental health is prominent



- Neuroscientists have obtained the first direct recordings of the human brain
- Virtual reality (VR) therapy
- Telehealth and community-based mental healthcare
- Psychedelics to assist the treatment of psychiatric disorders
- Digital devices to revolutionize how research is done
- Digital tools to train providers and fill gaps in mental healthcare

RESEARCH



Brain recordings

Neuroscientists recorded the human brain before and after surgically disconnecting a brain hub that's important for language meaning.

Technology-assisted methods

Technologies like teletherapy, virtual reality therapy, mobile apps, and games are used to deliver mental health treatment.

Dopamine:

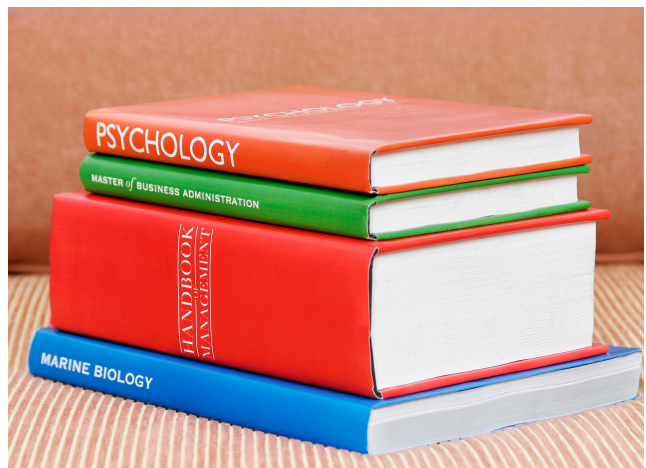
A study found that dopamine release in the brain plays a key role in encoding reward and punishment prediction errors.

Emotions:

A study found that daily changes in positive and negative emotions can correspond to changes in life satisfaction.

Chronic pain:

Patients are turning to psychologists for new strategies for chronic pain.



THEORIES

1. Understanding the Need for Sleep to Improve Cognition (*Ruth L.F. Leong and Michael W.L. Chee*)

Sleep restoration is influenced by factors like duration, timing, and quality, with heritable traits affecting individual preferences. Societal norms impact sleep opportunities, necessitating personalized recommendations. Effective guidance requires large-scale, integrated data on sleep, behavior, and preferences.

2. Understanding Human Object Vision: A Picture Is Worth a Thousand Representations (*Stefania Bracci and Hans P. Op de Beeck*)

Object vision complexity, unveiled by recent advances, challenges the idea of core recognition. Linking object vision to broader behavioral goals questions the significance of core recognition, if it exists, emphasizing the need for a wider perspective on human behavior.

3. Psychological Resilience: An Affect-Regulation Framework (*Allison S. Troy, Emily C. Willroth, Amanda J. Shallcross, Nicole R. Giuliani, James J. Gross, and Iris B. Mauss*)

Exposure to adversity (e.g., poverty, bereavement) is a robust predictor of disruptions in psychological functioning.

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MORE UPDATES

The demand for a career in psychology has surged in recent years due to growing awareness of the importance of mental health. There are 66% of female students in psychology and 33% of male students, and the rate of psychology students is increasing per year. Psychology's popularity continues in college. Between 1.2 million and 1.6 million undergraduates take introductory psychology classes each year, according to APA.

- Career After studying psychology

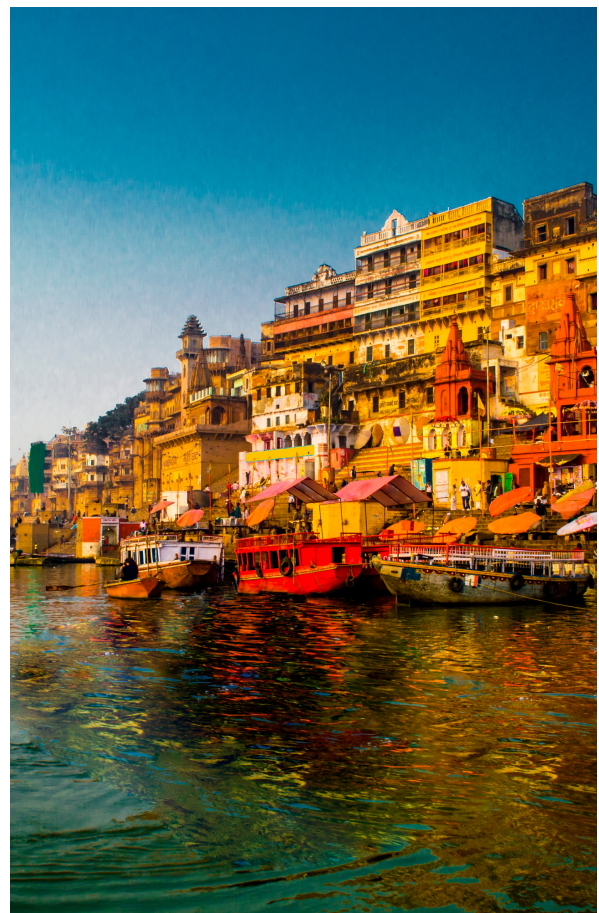
Psychology has become a popular major among college students. In India, the field of psychology has gained popularity due to the increasing demand for mental health services. The U.S. Bureau of Labor Statistics projects that psychology jobs will grow at 8% from 2020–2030.

- Some popular jobs in psychology

- Assistant psychologist
- Social work assistant
- Administrative service manager
- Community service manager
- Health educator
- Correctional officer
- Rehabilitation counselor
- Veterans counselor

- Top colleges for psychology in India

- Tata Institute of Social Sciences
- St. Xavier's College
- Christ University
- Fergusson College
- Banaras Hindu University
- CIP Ranchi
- NFSU



Thank You so much.

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