

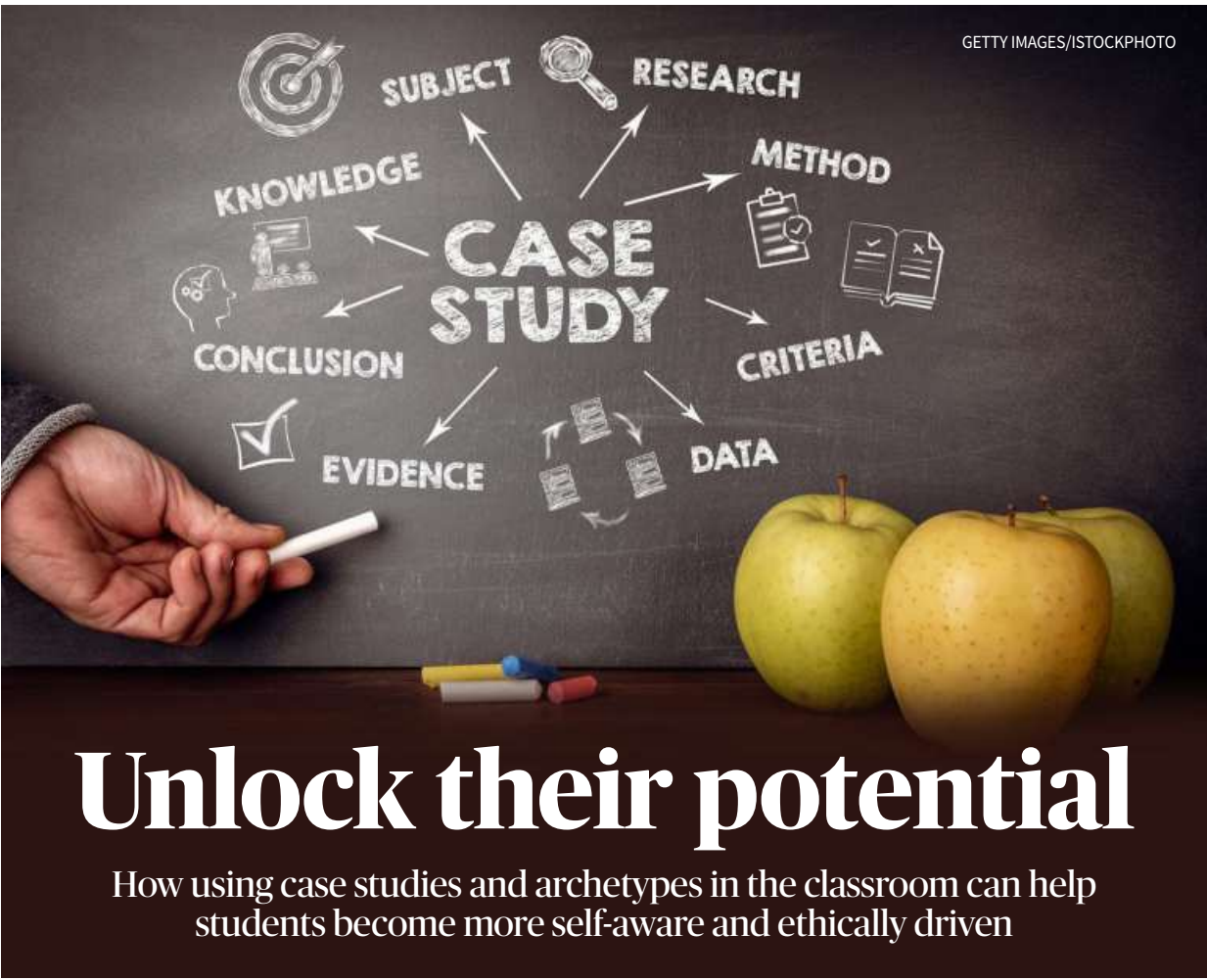
Valerie Mendonca

At higher education levels, students need to grasp advanced concepts and skills. The transition from theoretical learning to practical application can be challenging, and top educational institutes recognise the value of teaching through case studies. Cases, based on real-world situations, present dilemmas that require students to make decisions, fostering critical thinking and problem-solving.

In a case session, students read the case and analyse the facts and data to justify their decisions in class discussions. A well-executed session is charged with energy and differing viewpoints. The role of the educator is crucial in facilitating this dynamic environment, ensuring discussions are productive and insightful. Educators can elevate learning outcomes by unlocking archetypes within students as they navigate these discussions.

World of archetypes

According to Carl Jung, all humans are born with social blueprints of archetypes such as Father-Mother, Child, Man-Woman, Wise Old Man-Woman, Jester, Hero-Heroine, and others. These archetypes influence behaviour and thoughts, shaping the psyche. Over millennia, archetypes evolved and became ingrained in human civilisation, with each re-



Unlock their potential

How using case studies and archetypes in the classroom can help students become more self-aware and ethically driven

presenting different aspects of the human experience.

Tapping into these archetypes allows individuals to access parts of themselves that influence their thinking and behaviour. The highest calling of a teacher is to guide students toward “Deep Knowing,” helping them explore and activate these archetypal energies. In today’s rapidly changing world, educators must constantly adapt to meet evolving stu-

dent needs and remain effective facilitators of knowledge.

The **Hero-Heroine archetype** represents an inner journey of initiation, transformation, and return. This process, much like in Disney’s Moana, involves facing challenges, gaining wisdom, and achieving self-realisation. In case-based learning, students face a call to action, navigate challenges, and synthesise complex information. The educa-

tor’s role is to activate the archetype and guide students toward personal growth, as they tackle these challenges. By the end of the session, students return to the class with knowledge that benefits the entire group.

The **Sage archetype** represents the pursuit of knowledge and truth. Educators can activate this archetype by encouraging students to ask probing questions, challenge assumptions, and engage in

thoughtful dialogue. The Socratic method is a powerful tool in this process, pushing students to seek deeper understanding.

The **Creator archetype** symbolises creativity and innovation. In a university setting, it is activated when students are asked to think outside the box or come up with novel solutions. Educators can foster this archetype by assigning tasks such as designing experiments, creating business plans, or exploring

new ideas. This is often seen in entrepreneurial and STEM courses, where students are encouraged to develop innovative models.

The **Explorer archetype** values freedom of expression and thought and drives individuals to seek autonomy and growth through self-discovery. In the classroom, educators can nudge students to explore parts of themselves through reflections, allowing them to uncover hidden facets of their identity.

Many educators encounter students who embody the **Jester archetype**; the “class clown” who disrupts learning with humour. While this may seem unproductive, it serves an important function in breaking the monotony of learning and challenging authority in a light-hearted way. Recognising the value of this archetype allows educators to reflect on their teaching methods and the structure of their lessons.

The purpose of education is to move students from ignorance to understanding, and case discussions provide a powerful platform for educators to unlock student potential. By tapping into archetypes, educators can create learning experiences that are not only educational but transformational, preparing students to become more self-aware and ethically driven in their future careers.

The writer is Manager-Insights, IIMA Ventures, a start-up incubator established by IIM-Ahmedabad

SCHOLARSHIPS

HDFC Bank Parivartan's ECSS Programme. HDFC Bank aims to support meritorious students belonging to underprivileged sections of society.

Eligibility: Open to Indian nationals studying in school (Classes 1-12), or pursuing diploma, ITI, polytechnic, undergraduate or postgraduate (including general and professional) course and have passed their previous qualifying examination with at least 55%. Annual family income must be less than or equal to ₹2.5 lakhs. Preference will be given to those who have experienced personal or family crises in the past three years that puts them at risk of dropping out.

Rewards: Up to ₹75,000

Deadline: October 31

Application: Online www.b4s.in/edge/HDFC54

Sensodyne IDA Shining Star Scholarship. Haleon India aims to support underprivileged BDS students.

Eligibility: Open to students who have scored minimum 60% in Higher Secondary and are pursuing their first year of the Bachelor of Dental Surgery

(BDS) programme from government and government-funded colleges only. Annual family income must not be more than ₹8 lakhs.

Rewards: ₹105,000 per year

Deadline: October 31

Application: Online www.b4s.in/edge/SSPPS4

SBI Asha Scholarship. An initiative of the SBI Foundation to provide financial assistance to meritorious students from low-income families.

Eligibility: Open to students from Classes 6 to 12 and UG and PG students from the top 100 NIRF institutions, UG students from IITs, and students pursuing MBA/PGDM courses from IIMs. who have scored minimum 75% in the previous academic year. Annual family income must be upto ₹3 lakhs for school students and up to ₹6 lakhs for others.

Rewards: ₹15,000 for school students; ₹50,000 for UG students; ₹70,000 for PG students; up to ₹2 lakhs for UG students from IITs, and up to ₹7.5 lakhs for MBA students from IIMs.

Deadline: October 31

Application: Online www.b4s.in/edge/SBIFS7

Courtesy: buddy4study.com

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OFF THE EDGE
Nandini Raman

I am in the final year of an MBA in the Concentration of Human Resource and Finance. I want to join the Finance field. What other certifications should I take? What skills will I need? Saba

Dear Saba,

Certifications to consider are Chartered Financial Analyst (CFA), Financial Risk Management (FRM), Certified Public Accountant (CPA), Financial Modelling Certification (e.g., FMVA) and Certified Treasury Professional (CTP). Focus on developing specific skills like financial analysis, investment and portfolio management, risk management, corporate finance and quantitative skills in using financial tools and software for data analysis. Build professional relationships through networking events, conferences, and online platforms to explore job opportunities and stay updated with industry trends. Highlight the transferable skills from your HR and Finance background that are relevant and essential to the finance role, such as analytical thinking, problem-solving, and understanding organisational dynamics.

After my B.E., I worked in data visualisation at a market research company. I quit to take government exams but have not made any progress in four years. How do I explain the gap if I want to rejoin in data visualisation? Ashok

Dear Ashok,

Be transparent about your career journey during interviews. Explain that you took a break to pursue government exams and highlight your commitment

Showcase your abilities

Uncertain about your career options? Low on self-confidence? This column may help

to personal and professional growth. Emphasise the skills and experience gained during your previous role in data visualisation. Discuss and showcase projects you worked on, tools you used and outcomes achieved. Mention courses, certifications, or self-study that you pursued during the gap period to update your skills. Build and update your portfolio with recent projects or case studies demonstrating your proficiency. Include visual examples of your work and describe the insights derived. Frame the gap as a period of reflection and preparation for your career goals. Discuss how your experience has reinforced your passion for data visualisation and readiness to re-enter the field. Update your knowledge and skills in data visualisation tools and techniques. Take online courses, participate in workshops, or work on personal projects to showcase your abilities. Reconnect with professionals in the field through LinkedIn, industry events, and local meet ups, as networking can lead to job opportunities and provide insights into current trends.

I completed Class 12 (Biology with Maths) with good marks. But I am not interested in Engineering or Medicine. I want to be an IPS officer. Is it true that a degree in Economics or History will help? Are these tough subjects for Science students? Akshay

Dear Akshay,

Transitioning to the

Humanities from a Science background is feasible with dedication and interest. Both Economics and History are suitable choices for your undergraduate degree and can help you with your dream of joining the IPS. Economics provides insights into economic policies, governance, and public administration, which are crucial for the civil services. It will also improve your analytical and problem-solving abilities, which are valuable in decision-making and policy formulation.

History, on the other hand, offers perspectives on governance, political systems, and historical precedents that influence modern-day administration and policy-making. It helps develop critical thinking, research skills, and the ability to analyse complex historical events and their implications.

Choose the subject that aligns with your interests and strengths, and dedicate yourself to thorough preparation for the UPSC Civil Services Exam. Stay committed with consistent study habits, practise writing essays, and solve previous years' papers to gauge your preparation level. Develop skills in current affairs, logical reasoning, and communication.

I have a PG degree in Maths and am doing my B.Ed. More than teaching, I am interested in policy-making and governance. How can I find a job in these sectors? Abhishek

Dear Abhishek,

Consider further

education and pursue additional courses or certifications in public policy, governance, public administration, or related fields to enhance your knowledge and credentials. Look for internships or fellowships in government departments, research institutions, or NGOs that focus on policy issues. Develop skills in policy analysis, including understanding policy frameworks, evaluating policy effectiveness, and proposing policy recommendations. Research the qualifications and skills required for roles in policy-making and governance. Typically, these positions may require expertise in areas such as public policy, administration, economics, law, or social sciences. Connect with professionals working in government agencies, think tanks, research organisations, and NGOs involved in policy research and advocacy. Attend seminars, workshops, and conferences related to public policy and governance to expand your network. Stay updated with current affairs, policy developments, and emerging trends in governance through newspapers, journals, and online platforms. Strengthen your communication skills, both written and verbal, to effectively articulate policy recommendations and engage with stakeholders. Consider preparing for competitive exams conducted by government bodies for roles in civil services, policy analysis, or administrative services.

Disclaimer: This column is merely a guiding voice and provides advice and suggestions on education and careers.

The writer is a practising counsellor and a trainer. Send your questions to eduplus.thehindu@gmail.com with the subject line Off the Edge



Preeti Zachariah

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Maths has always been Shloka Suraj's favourite subject. But, in school, she says, it is often taught in a boring way. “They start saying that it is complex, and they make it complex,” says the precocious 10-year-old, a member of the ICTS-RRI Maths Circle, a Bengaluru-based initiative for secondary school students by the International Centre for Theoretical Sciences (ICTS) and Raman Research Institute (RRI).

According to her, teachers don't always explain the reasoning behind complex concepts. “They make us memorise things. But when we start understanding the why of things, we remember better,” says the home-schooled student.

For gifted children

The ICTS-RRI Maths Circle is part of a larger initiative launched by ICTS to identify exceptionally gifted children early and expose them to problem-solving and thinking about Maths in an open-ended way, according to the institute's website.

“There are very talented children in the country but, often, the process kills creativity,” says theoretical physicist Rajesh Gopakumar, Director of ICTS.

The idea of a Maths circle is something Gopakumar has felt passionate about for a long time. “The philosophy that we have been nurturing at ICTS differs from the ones we usually have in these Maths Olympiads or other competition-based events.” The focus (here) is on collaboration, not competi-

Dance of numbers

Collaboration, exploration and problem solving ... this is what the Bengaluru-based ICTS-RRI Maths Circle hopes to trigger in children

tion, and is based on open-ended exploration and problem solving rather than on speed solving.

Beginnings

Maths circles came into being in Bulgaria in the early 1900s, soon spreading to the Soviet Union, says Joseph Samuel, ICTS Endowed Visiting Professor, who has been involved with these sessions. “ICTS is trying to popularise this in India,” he says.

According to Roshini George, who coordinates the sessions, ICTS launched the initiative in 2019 in collaboration with the National Institute of Advanced Studies (NIAS). The sessions were held at the National Institute of Advanced Studies and run by Pranav Pandit, a professor at ICTS. Once they understood where they wanted to go, they identified talented students and started conducting pilot sessions.

Then, the pandemic started, and things came to a halt. In-person sessions gave way to online sessions. Once the worst was over, ICTS considered restarting in-person sessions in addition to online ones.

In January 2023, ICTS began conducting sessions at RRI on second and fourth Saturdays. “We advertised widely and got a lot of responses,” says George, adding that the selec-



tor and author Ashwin Guha, is focused on Group Theory, a branch of Maths that studies algebraic structures known as groups. Sinha points out that hands-on activities help children understand Maths better and adds that Guha has conducted a series of Maths Circle sessions introducing Group Theory through hands-on explorations using the Rubik's cube.

ICTS seeks to take this movement beyond Bengaluru, hoping to catalyse its spread across the country. “ICTS is just one institution, and we are trying to take the lead in creating a network of institutions,” says Gopakumar, adding that ICTS is willing to act as a repository for the resources for all the Maths explorations and handhold any institution or group interested in starting their own circle. “We invite people to come and join our online monthly meetings if they're interested in how to start a Maths circle.”

There are already Maths circles, both independent of and in collaboration with ICTS in Chennai, Kolkata, Bhopal, Mumbai, and Palakkad. Gopakumar firmly believes that there is scope to scale up. “I think it can be a real national movement,” he says. He dreams that these Maths circles will someday be the analogue of the chess clubs: filled with bright kids who will come to one of the many circles, hang out and do exciting things together.

Scope and beyond

On a pleasant Saturday afternoon, groups of young people huddle around tables on the terrace of the library building at the densely wooded RRI in Sadashivanagar. Heads bent over exercise sheets and a couple of Rubik's Cubes lie around while the green board on the wall in front of them lists the various rights of this gathering: to be wrong, to be different, to question. This session, which is being handled by Maths educa-

“I see no reason it can't be because you do it in the same spirit as these people who play chess; you're just having fun with your mind.”

