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M.G. Sethuraman

The Economic Survey 2023-2024 indicates that 65% of India's fast-growing population is below the age of 35. Of this, only 51.25% of the country's youth are employable. This is because they lack the skills needed for the current industrial sectors. The report highlights the fact that there exists a gap between what is taught in educational institutions and what is needed by industry and society.

Of late, there has been an increased effort to focus on the learner rather than the teacher in India. Intensive measures are being undertaken to bridge the gap between teaching and learning but the focus is on

What have they learnt?

Outcome-Based Learning focuses on measurable skills and ensures that students are equipped for real-world challenges

the process, not the outcome. Educational outcomes are the abilities the students acquire and demonstrate at the end of the learning experience. Hence the emphasis at the global level is on the educational outcomes.

What is OBE?

The Learning Outcome Framework (LOCF), which has been adopted in India, expects the teachers to visualise what the students will be able to

do by undergoing the course/programme and how to measure their ability to do what they should and to facilitate acquisition of the ability expected of them. Outcome-Based Education (OBE) requires that the curriculum, pedagogy and assessment focus on student learning outcomes. This method of curricular design and teaching pre-fixes how students can apply their knowledge and skills after they complete a course/programme.

Thus, the learning outcomes are pre-decided and the course content, delivery and assessment are planned to achieve the desired outcomes, which need to be well-defined, realistic and measurable.

The advantage of adoption of OBE based approach is that both students and the teachers are aware of the desired outcomes from the beginning. Further, the approach trains students working towards the goal. The

teaching and assessment methodologies need to be more flexible enabling students to showcase their mastery. National agencies like National Accreditation Assessment Council (NAAC) and National Bureau of Accreditation (NBA) emphasise the adoption of LOCF and expect the institutions to spell out the Graduate Attributes, Programme Outcomes and Course Outcomes. Institutions should also periodically check for the attainment of these outcomes, so that remedial measures can be undertaken both at the institutional level and personal level.

To enhance the employability of learners, the teaching and learning process must be changed. Online education has changed classroom teaching and experiential learning and problem-solving skills with an application-oriented approach can produce the right impact. Higher Educational Institutions (HEIs) should turn into centres where talent nurturing is given priority. Even assessment methodologies need to change and test higher-order thinking skills and promote critical thinking and problem-solving abilities.

However, it is not enough to just design a purposeful curriculum. Teachers also need to be trained in this novel approach. Moving towards a student-centric approach from a teacher-centric one is a challenge as is fine tuning the academic curriculum to the changing needs of the industry with the available expertise in educational institutions. However, this can be overcome by involving industrial experts.

With the National Education Policy (NEP) 2020, emphasising the adoption of the Learning Outcome Framework in HEIs, the OBE model of education, which aims to bring out the graduate's potential, will enhance the employability potential of the graduates.

The writer is Professor, Dean, School of Sciences and Senior Prof of Chemistry, Gandhigram Rural Institute-Deemed To Be University.

SCHOLARSHIPS

University of Oxford Felix Scholarships

Offered by the University of Oxford, the U.K.

Eligibility: Indian nationals with a first-class Bachelor's or Master's degree from an Indian university, willing to pursue a full-time Master's or D.Phil. courses at the Oxford University

Rewards: Full course fees and other benefits

Application: Online

Deadline: January 31

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Tagore National Fellowship for Cultural Research

An initiative from the Ministry of Culture, Government of India

Eligibility: Indian or a foreign national with five years of experience in guiding or conducting research in art fields and have original research papers published in reputed and a refereed journals or books

Rewards: Up to ₹80,000 for two years, and other benefits

Application: Offline: Through post at Nodal Institutions under the Ministry of Culture, Government of India

Deadline: February 15

www.b4s.in/edge/TNFC4

National Commission for Women Internship

Offered by the National Commission for Women

Eligibility: Open to second-year students of Law, Sociology, Social Work or Gender studies. First-year students can participate in an unpaid internship.

Rewards: ₹10,000 monthly

Deadline: Round the year

Application: Online

www.b4s.in/edge/NWCI1

Courtesy: buddy4study.com

Diversify your options

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



OFF THE EDGE
Nandini Raman

I am from Ladakh and in the last year of my B.A. degree. I want to do an M.A. in History. Which of the Central Universities is best for this course? Karma

Dear Karma,

Some of the top Central Universities in India known for their History departments are Jawaharlal Nehru University (JNU); New Delhi School of Social Sciences (Centre for Historical Studies), University of Delhi (DU); Delhi, Banaras Hindu University (BHU), Varanasi; Hyderabad Central University (HCU), Hyderabad; Aligarh Muslim University (AMU), Aligarh; Pondicherry University, Puducherry; Tezpur University, Assam; and North-Eastern Hill University (NEHU), Shillong.

Check the specialisation areas offered by the departments. Some universities focus more on ancient or medieval history, while others emphasise modern or contemporary history.

Look for universities with renowned professors in the field of your interest and ones that provide strong research programmes for dissertation work during your M.A.

I am in Class 12 (Biology with Maths). I am taking the NEET exam but would like to know if there are any other options apart from Medicine. Divya

Dear Divya

A combination of Biology with Maths in Class 12 opens up a variety of career options beyond Medicine. Biotechnology blends biology and technology, Biomedical Engineering combines engineering principles

with biological sciences, and Biostatistics or Bioinformatics involves statistical and computational techniques to biological data. Agricultural Science can be rewarding and diverse involving research in crop improvement, sustainable agriculture, and agricultural technology. Pharmacy courses, Forensic Sciences, Environmental Science, Food Technology, Genetics, B.Sc. in Clinical Research, Veterinary Science, and Allied Health Sciences offer a variety of paramedical and technical careers related to healthcare but not as doctors. Pure Sciences offer fields like Microbiology, Zoology, Botany, or Biochemistry, Data Science and Artificial Intelligence in Biology.

I dropped out of my Master's in English recently. I want to take the UPSC exams but am confused about whether to prepare for that and take another course or work while preparing. I'm not interested in academics now. What should I do? Bala

Dear Bala,

This is a common dilemma. Since you say that you are not interested in academics now, taking up another course right might not give you the desired results.

Picking up a job again depends on your financial stability. Will you be able to manage your time and the level of your commitment required for the UPSC exam preparation? How long do you give yourself for this exam? If you are highly motivated and can financially support yourself, focus on the UPSC preparation for the next 1-2 years. If you need more security, then work while preparing but you will need a lot of dedication, commitment and discipline. The UPSC is a highly competitive exam and demands a lot of time. Joining

coaching classes, and attending mock tests could help create a focused routine. Get a realistic assessment of your finances, and assess your core motivation: is it a new course, a new job or cracking the UPSC? How much time are you willing to dedicate to prep every day? Most importantly, what is your Plan B beyond the UPSC? Work out the cost-benefit analysis and you will arrive at a reasonable decision.

I am doing a Master's in Statistics and also preparing for the UPSC. Are there any options apart from this? Do I have to do any additional courses to work in the private sector? Somya

Dear Somya,

Pursuing a Master's in Statistics while preparing for the UPSC provides you with a solid foundation for various career options, both in the public and private sectors. You could consider Data Science/Analysis, Actuarial Sciences, Market Research Analysis, Operations Research Analysis, Biostatistician, and Quantitative Analysis. Some additional courses that can enhance your employability and skill set in the private sector are Certifications in Programming Skills, Business Analytics, Machine Learning/AI, and Soft Skills Training. While these will enhance your skills, real-world experience is equally important. Seek internships to gain relevant experience and build your professional network. Attend workshops, seminars, and industry conferences to connect with professionals in the field.

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

Madhuvanti S. Krishnan
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Rayan Chakrabarti, a final-year Master's student from Jawaharlal Nehru University, New Delhi, plans to create a museum and document the impact of the COVID-19 pandemic in South Asia. Vibha Swaminathan, a final-year Law student at National Law School, Bengaluru, aims to study citizenship regimes and human rights litigation. Avanish Vats, a visually-impaired graduate from St. Stephen's College, New Delhi, is interested in epistemology and making philosophy accessible to people with disabilities. Shubham Narwal, a veterinarian at ICAR-Indian Veterinary Research Institute, Bareilly, plans to explore conservation strategies for the Great Indian Bustard. Pal Aggarwal, a B.Tech student from IIT-Bombay, intends to become an astronaut, and advocate for women in Science.

What do these youngsters have in common? They are all recipients of the Rhodes Scholarships 2025, which will enable them to pursue their higher education at Oxford University, the U.K. In September 2024, The Rhodes Trust announced the creation of a sixth Rhodes Scholarship for India. Dhvani Mehta, National Secretary, Rhodes Scholarship for India, talks about how the scholarship came to be, how it impacts Indian students, and more.

The beginning

Established in 1902 by Cecil Rhodes, a British financier who was Prime Minister of Cape Colony in the 1890s, the Trust now acknowledges the role of colonial wealth and discriminatory practices in laying the foundation for the scholarship. Today, steps are being taken to correct the mistakes of the past and make it more inclusive and equitable. "Earlier, scholarships were restricted to the U.S., Canada, Australia, New Zealand – in short, where the white man had made his mark. But the idea now is to ensure that more of the wealth on which the scholarship was founded goes back primarily to Africa, to which Cecil Rhodes owes a great debt, and to acknowledge other parts of the



(From left) Recipients of the Rhodes Scholarships 2025 from India; Dhvani Mehta. FREEPIK AND SPECIAL ARRANGEMENT

On the 'Rhode' to success

What is the Rhodes Scholarship? How does it benefit Indian students?

world where there has been a history of colonial rule and trauma," she adds.

The parameters on which the scholarships are awarded are the same across countries. "There is no variation in the criteria barring technical variations of age, eligibility, citizenship, educational requirements. But, the criteria mentioned in Rhodes' will – academic excellence; energy to use one's talent to the fullest, including excellence in co-curricular or extracurricular activities, and values or how one demonstrates truth, courage, devotion to duty, timeliness, and leadership – are still the basis on which the Trust awards the scholarships," explains Mehta.

Mehta busts the myth of a "typical Rhodes scholar". There is no 'type', she explains. In fact, the scholarship's strength lies in its diversity and the opportunity to meet diffe-

rent people while at Rhodes House. Another myth was physical prowess: that one had to excel in a sporting activity.

Back in 1903, the scholarship required applicants to be athletic and able men. But that isn't true anymore. The selection criteria mention 'energy to use one's talents to the full', but this can be shown through a range of extracurricular pursuits and leadership opportunities.

Tips for students

Mehta also shares tips for students who are planning their Rhodes journey:

Early start: Don't wait till you are in the final year of your UG to think about what your application will look like. The scholarship requires you to have demonstrated your engagement in extracurricular and leadership activities early on.

Authenticity: Don't engage in extracurricular or co-curric-

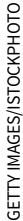
ular activities only for the sake of the scholarship. The selection committee can make out which candidate is authentic and which ones are out for personal gain.

Introspection matters: Maintain an excellent academic record. Apply to the scholarship as an opportunity to introspect about the kind of person you want to be and the career you want to have. The committee wants to see a demonstration of commitment to public progress.

Get acquainted: Research and zero-in on which course is most suited for you, as admission to Oxford is highly competitive. The Rhodes website has extensive information on eligibility, application process, deadlines, past students' experience, and more. This can be used as a primer before beginning the application process.

Be realistic: Apply to courses where you have a realistic chance of getting in and to those that have the coursework and professors that you are interested in learning from. Do your homework on what it is that you want to study, why you want to go to Oxford as opposed to other universities, and what the Rhodes community can offer.

For more details, visit <https://tinyurl.com/yrxeedx2>



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