

ANIRUDDH SASTRY Ph. D
Co-founder: Things Education

Pedagogical Expert | Curriculum Development | Teacher training | Gifted Education | Research

EXPERIENCE

EDUCATIONAL INITIATIVES (Dec 2017 – Sep 2020) Bangalore, India

Senior Manager, Gifted Education and Counselling

- **Academics** - Planned, developed, and reviewed lesson plans and lesson delivery of various topics in natural sciences, social sciences, cryptography, computational thinking, computational biology, etc.
- **Product Management** - Led the development, streamlining and digitisation of a learning platform, an assessment platform, and a teacher training module.
- **Digitising Testing Operations** - Led operations of ASSET Talent Search – a country-wide assessment for school students. Digitised operations to reduce costs by 50%, reduce turnaround time and increase efficiency.
- **Streamlining Operations** – Led and streamlined operations for the non-residential and residential summer and winter educational programmes to reduce staff cost by 30%.
- **Business Development** - Crucial strategic role in increasing revenue by 100% in each of 2018-19 and 2019-20.
- **Team Building** - Built and nurtured two teams - an academic and an operations team.

EDUCATIONAL INITIATIVES (Jul 2017 – Dec 2017) Bangalore, India

Senior Educational Specialist, Products and Solutions

- **Assessment Design** - Designed and developed assessments (ASSET) for school students in classes 3 to 10 in science, mathematics, and social studies.
- **Research and Review** – Carried out research in how students think and learn by using data from assessments collected over year.

EDUCATIONAL INITIATIVES (*Consultant – Academics*, Dec 2016 – Jun 2017) Bangalore, India

- Designed novel teaching aids, curriculum designs and lesson plans for various science, mathematics, and data science related courses for the various programmes.

RPG FOUNDATION (*Consultant – Teacher Training*, Dec 2016 – Mar 2017) Pune, India

- Conducted teacher training for various government schools for running science laboratories.

HBCSE-TIFR BIOLOGY OLYMPIAD RESOURCE GENERATION CAMP (*Consultant – Biology Expert*) Mumbai, India

- Developed assessments for Biology Olympiad students (various years)

ASSET SUMMER PROGRAMME – EDUCATIONAL INITIATIVES (*Instructor*) Bangalore, India

- For courses in genetics, evolution, and computational biology at gifted programmes (various years)

EDUCATION

Doctoral Studies - Effects of changes in temperature and water availability on tropical trees Feb 2009 - Dec 2016

Indian Institute of Science Education and Research (IISER) Pune, India

Masters' Degree - Biochemistry Jun 2006 - May 2008

The Maharaja Sayajirao University of Baroda Vadodara, India

Bachelors' Degree – Zoology, Botany, Chemistry Jun 2003 - May 2006

The Maharaja Sayajirao University of Baroda Vadodara, India

PUBLICATIONS

- **Sastry A, Barua D. (2017)** Leaf thermotolerance in tropical trees from a seasonally dry climate varies along the slow-fast resource acquisition spectrum. *Scientific Reports* 7: 11246.
- **Sastry A, et al. (2018)** Leaf thermotolerance in dry tropical forest tree species: relationships with leaf traits and effects of drought. *AoB Plants* Vol 10, Issue 1.
- **Purandare A, Sastry A.** The Chemistry of Life. Invited article in I-wonder - a magazine on pedagogy by Azim Premji Foundation.

LANGUAGES KNOWN

- Fluent in English, Hindi, and Gujarati
- Conversational Kannada and Marathi

SKILLS

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| • Inquiry-based Learning | Mastery Learning | Teacher Professional Development |
| • Product design and development | Curriculum design | Assessments |
| • Product management | Data analysis | Research |
| • People development | | |