

Chief Patron

Dr. P. Shyama Raju

Hon'ble Chancellor, REVA University

Patrons

Mr. Umesh Raju

Pro Chancellor, REVA University

Dr. M. Dhanamjaya

Vice Chancellor, REVA University

Dr. Rajashekhar C Biradar

Pro Vice Chancellor (Engineering), REVA University

Dr. N. Ramesh

Registrar, REVA University

Resource Person

Dr. Jey Veerasamy

Director, Center for CS Education & Outreach
Professor of Instruction, UT Dallas, USA

Conveners

Dr. Mallikarjun M Kodabagi

Deputy Director, School of Computing and
Information Technology, REVA University

Prof. Aarth G

Assistant Professor, School of Computing and
Information Technology, REVA University

Organising Chair

Dr Sarvamangala D R

Associate Professor, School of Computing and
Information Technology, REVA University

Prof Rashmi C

Assistant Professor, School of Computing and
Information Technology, REVA University

Registration Details

Use the following link to register:

<https://forms.office.com/r/0h8HW0Nt3p>

Fee: Rs.500/- (External Participants)



FACIT

THE KARNATAKA BANK
A/C NO : 6662500101059501
REVA UNIVERSITY BRANCH
IFSC CODE : KARB0000666
SWIFT : KARBINBB

Correspondence

Prof. Aarth G

Asst. Professor, School of Computing and IT,
REVA University, Bangalore.
Email-id: aarth.g@reva.edu.in
Mob: 9790579672

Name: _____

College: _____

Department: _____

Mobile: _____

Email-ID: _____

Signature of Candidate

Signature of Principal

*Rs 500/- for External Participants



REVA
UNIVERSITY

Bengaluru, India

5-Day Faculty Development Program

On

**New Pedagogy for Teaching
Programming Languages**

9th - 13th January, 2023



Organised by,
**School of Computing and Information
Technology**

Rukmini Knowledge Park,
Kattigenahalli, Yelahanka, Bengaluru-560064
Phone:+91-80-4696 6966

**Rukmini Educational
Charitable Trust**

A Unit of DivyaSree

www.reva.edu.in

About REVA University

REVA University is a State Private University established in Karnataka State under the Government of Karnataka Act No. 13 in the year 2013 in Bengaluru, the IT capital of India. The University is recognised by the University Grants Commission (UGC) and is approved by the AICTE (All India Council for Technical Education).

REVA University prides itself in contributing to every student's holistic development. The University currently offers 39 full-time Under Graduate Programmes, 32 full-time Post Graduate programmes, 18 PhD programmes, and certification and diploma programmes. The University offers programmes in Engineering, Architecture, Science and Technology, Commerce, Management Studies, Law, Arts & Humanities, and Performing Arts. Courses are offered in Certificate/Diploma and Post Graduate Diploma too. REVA University facilitates research leading to a Doctoral Degree in all disciplines. The programmes offered by REVA University are well-planned and designed based on methodical analysis and research with emphasis on knowledge assimilation, practical applications, hands-on training, global and industrial relevance, and their social significance.

Teachers and instructors with illustrious academic experience are the architects of the meticulously designed curriculum and program modules offered at REVA University. They come with industrial exposure and experience that often translates through their teaching, thus bridging the gap between the industry and academia.

REVA University has an updated, ever-evolving collection of books, journals, and digital content in the library with the latest IT infrastructure that ensures students have information at their disposal. The lush green campus, state-of-the-art laboratories, custom-designed classrooms to enable seamless learning, and world-class indoor and outdoor sports facilities make REVA University the most preferred university among students and MNCs that visit the campus for placements.

About the School

The school has a rich blend of experienced and committed faculty who are well-qualified in various aspects of computing and information technology apart from the numerous state-of-the-art digital classrooms and laboratories having modern computing equipment. The School offers four full-time undergraduate programs, B.Tech in Computer Science and Engineering (Artificial Intelligence and Machine Learning), B.Tech in Computer Science and Information Technology, B.Tech in Computer Science and Systems Engineering, B.Tech in Information Science and Engineering and the following two postgraduate programs: M.Tech in Artificial Intelligence and M.Tech in Cyber Security. In addition, the school has a research centre in which students can conduct cutting edge research leading to a PhD degree.

Curriculum of both undergraduate and postgraduate programs have been designed through a collaboration of academic and industry experts to bridge the growing gap between industry and academia. This makes the program highly practical-oriented, and thus industry-resilient. The B.Tech programs aims to create quality human resources to play leading roles in the contemporary, competitive industrial and corporate world. The masters' degrees focus on quality research and design in the core and application areas of Artificial Intelligence and Information Technology to foster a sustainable world and to enhance the global quality of life by adopting enhanced design techniques and applications. This thought is reflected in the various courses offered in the masters' programs.

About the Program

Programming can be an intellectually satisfying skill, however, problem-solving with a computer involves much more than learning programming language syntax. The theory and practice are interrelated in fascinating ways. The fundamental knowledge of a software developer is his/her programming skills. Teaching programming for students thus plays a main role in shaping their future. Teaching programming should be non-monotonous and be creative.

This Five Days Faculty Development Program is focused interactive teaching pedagogy techniques towards programming. The FDP is on creative coding with JavaScript and MIT Scratch.

Topics Covered

- Introduction to MIT Scratch - drag & drop programming!
- Hands-on programming with MIT Scratch
- Introduction to Khan Academy JavaScript
- Building a house!
- Introduction to p5js - basic animations, p5js mouse interactions, p5js arrays
- Building simple games
- Coding contest in Java/C++/Python

