



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

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REF: VTU/BGM/ACA/2022-23/ 4706

DATE: 3 DEC 2022

CIRCULAR

Subject: Three days' Workshop on Python regarding

Reference: The Hon'ble Vice Chancellor's approval dated 02.12.2022

The Visvesvaraya Technological University, Belagavi has come up with a 2022 scheme of Teaching and examinations for 1st and 2nd semesters. For 1st year all UG programs are categorized into 04 streams -namely Civil Engineering Stream, Mechanical Engineering Stream, Electrical & Electronics Engineering Stream, and Computer Science & Engineering and its allied streams. The courses such as Physics, Mathematics, and Chemistry are stream specific and integrated in nature. The pedagogy to be adopted while teaching the theory parts of Physics, Chemistry, and mathematics courses have been covered already in the workshop held zone-wise in the last month. Now the faculty orientation program (hands-on sessions) for the practical component of the mathematics courses has been organized for **Bengaluru Region** faculty members. **Three Days workshop on PYTHON programming** for Engineering Mathematics has been organized on the **7th, 8th and 9th of December 2022** at **RV College of Engineering Bengaluru**. The details regarding the workshop are mentioned in the attached brochure.

The **registration link** is given in the brochure, it is hereby informed that one faculty member from each college has to register for the workshop, however, multiple registrations from the same college shall be done after confirming with Dr. Jayalaths Convener and HOD Dept., of Mathematics RVCE Bengaluru.

The details of the workshop are mentioned below-

Sl. No.	Topic	Venue	Date	Program Coordinators/ Contact Persons for details	University overall Coordination
01	Workshop on Python Programming	RV College of Engineering	7 th , 8 th and 9 th of December 2022	As mentioned in the attached Brochure	Dr. Sudarshan Reddy, Regional Director, VTU Regional Office, Bengaluru

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All the Principals of the Engineering Colleges are hereby requested to depute one Faculty Member from the Mathematics department of your college to the above-said faculty orientation program(workshop) and support the faculty members to enrich their teaching skills.

Encl: Brochure as mentioned above

Sd/-
Registrar

To,

1. The principals of all the Affiliated, Autonomous Engineering Colleges under the Bengaluru Region of VTU.

Copy to:

1. The Hon'ble Vice-Chancellors through his secretary, VTU, Belegavi -for kind information
2. The Chairpersons and Members of the Board of Studies of Basic Science and Humanities, VTU Belagavi
3. The Registrar (Evaluation), VTU, Belagavi -for information
4. The Finance Officer, VTU, Belagavi- for information.
5. The Regional Director (I/c), Regional Office Bengaluru, for information and overall coordination and also to make arrangements for the TA/DA and Honorarium payment to the resource persons.
6. The case worker BoS academic section to follow up and needful
7. Office copy

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REGISTRAR
J.



Three days Workshop on

python

Programming for Engineering Mathematics

7- 9, December 2022

Organized by

Visvesvaraya Technological University, Belagavi

in association with

RV College of Engineering[®]
(An Autonomous Institution)

Visvesvaraya Technological University Belagavi

VTU is one of the largest Technological Universities in India with 24 years of Tradition of excellence in Engineering & Technical Education, Research and Innovations. It came into existence in the year 1998 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. University has very successfully achieved the tremendous task of bringing various colleges affiliated earlier to different Universities, with different syllabi, different procedures and different traditions under one umbrella.

The university is currently having 182 affiliated colleges, 1 constituent college and 25 Autonomous colleges with undergraduate programs in 37 disciplines, PG programs in 96 disciplines and Ph.D. & M.sc(Engg.) research programs with 7 faculty, over 3 lakhs Engineering Students study in the various institutes affiliated to the University.

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Senior Professor, Mathematics
School of Sciences, Christ University
(Keynote Address)
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Professor and HoD, AIML, RVCE
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RV College of Engineering (RVCE) established in 1963 is one of the earliest self-financing engineering colleges in the country. The institution is run by Rashtreeya Sikshana Samithi Trust (RSST), a not-for-profit Trust. RVCE is an Autonomous college. Currently, the institution offers 15 bachelor's, 14 Master's Programs, and all the departments have Research Centres affiliated with Visvesvaraya Technological University (VTU) Belagavi. The institution has set itself a vision of "Leadership in Quality Technical Education, Interdisciplinary Research & Innovation, with a focus on Sustainable and Inclusive Technology".

The recent awards and achievements include - Ranked 89th in the Country by National Institutional Ranking Framework (NIRF:2022), QS-IGUAGE-Diamond University Rating (2021 - 2024), "Excellent" rating in ARIIA Ranking - 2021 and NPTEL (Local Chapter), "AA' Rating & Max. No. of NPTEL Stars.

The institution has to its credit over 1500 National and International Journal & Conference Publications, filed over 50 patents, 49 published patents, 15 granted patents, completed sponsored research and consultancy projects worth Rs. 20.0 crores in the last three years. The institution has established Centres of Competences (5) and Centres of Excellence (17) in various domains. The students have won awards and accolades in national and international competitions.

Department of Mathematics

The DoM was established in the year 1963. DoM has grown in strength having twenty three (23) faculty members of which twenty two (22) are with Ph. D degree. The DoM is involved with teaching activities for UG / PG / global electives and is recognized as research centre for pursuing Ph.D in Mathematics under VTU, the affiliating University.

The VTU has revised Engineering Mathematics syllabus for I/II Semester 2022 scheme, stream wise for BE/B.Tech programs. The curriculum is designed to provide students with the ability to contribute to academic and industrial environments. In this Workshop, it is intended to introduce Python tools to the faculty members of Mathematics department from engineering colleges affiliated to VTU. Python is a computer programming language often used to build websites and software, automate tasks, and for data analysis. It is used across many different industries like data science and software engineering to environments like mobile app development, artificial intelligence, and machine learning. Due to its ease of learning and usage, Python codes can be easily written and executed much faster than other programming languages.

Topics

- Arithmetic Operations
- Plotting - Cartesian and Polar Curves
- Differential Calculus
- Elementary Linear Algebra
- Differential Equations
- Modular Arithmetic



Registration link

https://docs.google.com/forms/d/e/1FAIpQLScxuT7TQjVDd_HBcrLefFkdsDKlIbeTkZ2hUZMh-SME3rxrLg/viewform?usp=sf_link

HANDS-ON SESSION MENTORS

Faculty Members and Staff

Department of Mathematics

Department of Computer Science and Engineering

Department of Information Science and Engineering

Department of Master of Computer Application

RV College of engineering, Bengaluru

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