

Report on

“Workshop on SCILAB organized by IQAC and APSSDC – MITS 2018”

5th & 6th October 2018

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The Inaugural Session:

Two-day Workshop on SCILAB was organized by IQAC, MITS in collaboration with APSSDC on 5th and 6th October 2018. The Function was Inaugurated by Dr. G. Hampamma, Vice Principal-Engineering. She appreciated the faculty who are upgrading their technical skills and their by empower the institution and the Nation. She finished her speech with sharing the knowledge is Bliss. Prof. Kashwan shared the participants about the history of SCILAB and its significance to India. He mentioned that MATLAB is being used at all the national institutes of importance, Universities, Deemed Universities, Autonomous colleges and even arts and science colleges. Additionally, he said that Purchasing the MATLAB software costs about 1.35 Lakhs leading to national loses to the tune of 600 crores per year. He expressed his concern about not utilizing many tools and files from our own resources. In order that our internal resources are utilized the Government of India successfully funded development project run by IIT-Bombay and other premier institutions for the development of a software that is equivalent to MATLAB. The team of 35 members and many professors created SCILAB that can be used for engineering, scientific and social science calculation/research. Since SCILAB is an open Source software its popularity among students, teaching fraternity, and researchers is increasing. Since, many of our faculty are using MATLAB and Mathematica for their research and other academic activities, the workshop has been organized to enable them to switch to SCILAB. The workshop is intended to be an awareness builder so that the participant can explore deeper into it and can spread the skill to their colleagues.

Dr. Varadarajan, IQAC Coordinator thanked the management and the Principal for their support and encouragement towards faculty development programs. This will result in the quality improvement for the faculty and students.

Dr. Kiran-SDC, MITS coordinated hospitality and networking of the trainers from APSSDC for the workshop. He has guided our faculty to register in APSSDC.

The Events of the Workshop:

30 Faculty from all the departments attended the workshop and we also encouraged to install the SCILAB in their own laptops. The faculties who attended continuously were allowed to register under APSSDC FDP website. Trainers from APSSDC gave the introduction of the SCILAB software with available basic tools in the environment. Then they shared commands from basic level and improved step by step to draw plots, charts and so on.

Common commands in Python Language [Computer Science] and SCILAB were discussed. Then they asked for specific fields and required tools from each department. The trainers shared their e-mail id's to support us for further clarifications.

On 6th October 2018, trainers discussed the department specific requirements. Data Analytics for MBA, Array operations in Mining and Image processing for computer applications department are all discussed. Mathematical operations and charts are discussed with professors. The trainers guided each and individually to download required header files and supporting files to work on different research back grounds.

Free workshops and international conferences for utilization and free resources are gone through the year in difference places. Few of our faculty has registered based on their interests. When we start to use the SCILAB, it can be added in curriculum for software lab, because MHRD is encouraging institutions to use this open source software, because the commands are transparent and relevant to any scientific operations. Engineering streams can use this and they can surely enrich their research and academia.

Faculties Feedback:

At the time of workshop and general discussions with trainers, faculty got clarified with their own streams. Moreover, they feel comfort when they see their research applications running in a new platform, which is open source. Faculty Development programs and workshops will surely enrich the internal quality and it will impact the teaching and research methodologies.

Photos:



Dr. G. Hampamma, Vice Principal-Engineering, MITTS inaugurated the workshop and addressed the Gathering in Scale-Up Classroom, Madanapalle Institute of Technology and Science.



Dr. Kashwan, Dean-EEE&ECE and faculty who attended the workshop at Scale-Up classroom, MITTS.



APSSDC Trainers are supporting the Faculty to utilize SCILAB for their specific requirements in Scale-Up classroom.



APSSDC Trainers guided Individual Faculty to download for their specific research requirements in SCILAB.