



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"ವಿಜ್ಞಾನ ಸಂಗಮ" ಬೆಳಗಾವಿ-೫೯೦೦೧೮, ಕರ್ನಾಟಕ, ಭಾರತ
"ಜ್ಞಾನ ಸಂಗಮ", ಬೆಳಗಾವಿ-೫೯೦೦೧೮, ಕರ್ನಾಟಕ, ಭಾರತ

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CIRCULAR

Subject: Skill Development Activities regarding.
Reference: Chairperson BOS in ECE email dated 23.03.2021

Concerning the subject cited above, missing Skill Development Activities (SDA) for Postgraduate programmes in Electronics & Communication Engineering stream is added on the 1st page of the scheme. Syllabus with a small update in the 1st-semester scheme page is uploaded on VTU web portal @ <https://vtu.ac.in/en/pg-scheme-syllabus/#pg0> for reference to the concerned. Also, SDA details are attached with this circular for reference.

All the Principals of Engineering Colleges are hereby requested to inform these corrections to the faculty who are handling subjects of ECE stream PG programmes.
Encl: As mentioned above

Sd/-
REGISTRAR

To,

- All the Principals of the Engineering Colleges under the ambit of VTU Belagavi

Copy to:

- The Registrar(Evaluation) for information and needful
- The Registrar's Office, VTU, Belagavi, for information.
- The Special Officer, Academic Section, VTU Belagavi, for information.
- The Special Officer CNC section to upload the circular on the VTU web portal.

REGISTRAR

Skill Development Activities

Skill Development Activities (SDA) is the responsibility of the corresponding Program (for all courses coming under **BoS ECE** purview) to train the students by providing them skills through identified mentors/facilitators with the objective of enhancing their Employment/ Self-Employment opportunities. The SDA component is a part of the CIE. It should be **defined specifically** for each theory subject of **4 credits**. To meet the objectives the following guidelines are framed:

The SDA include:

1. **Formulating and incorporating** lab experiments in specified subjects, **at least in one subject per semester** from first to third semester. The students have to conduct lab experiments (extra) as a part of CIE marks along with other activities.
2. **In courses with strong industry connect, case studies/ latest trends** should be discussed as a part of subject seminar. The student **cannot assume the same cases will be part of the SEE question paper**.
3. At least one **industrial visit** before third semester is mandatory with the relevant report.
4. **Mini-project carried out in groups** with relevant literature review based on latest trends in industry / research with report in identified subject at second semester can be taken up. The **publishing of a base paper** based on the work is recommended.

For **Sl. No. 2 & 3 above**, at least 20% of the CIE marks are to be earmarked in the concerned subject, apart from regular assignments, quiz & seminars. For **Sl. No. 1 & 4**, the complete CIE evaluation can be based on the practical/ lab report. In all the Skill Development Activities, **students and course instructor/s** are to involve either individually or in groups to interact together to enhance the learning and application skills of the students.

Expected outcomes

The students shall

- 1) Gain confidence in modelling of systems and algorithms.
- 2) Work on different software/s (tools) to Simulate, analyze and authenticate the output to interpret and conclude.
- 3) Handle advanced instruments to enhance technical talent.
- 4) Involve in case studies and field visits/ field work.
- 5) Accustom with the use of standards/codes etc., to narrow the gap between academia and industry.

All activities should **enhance students' abilities and competencies** for employment and/or self-employment opportunities, solving engineering problems, project management skills, individual and team work, life-long learning, etc.
