

# **Progress report of the Project**

## **Developing a Teacher Supportive Material for Quality Improvement among Faculty of Technical Universities and Colleges**

### **A report of Three Day Consultative Workshop with the Experts of Engineering and Technological Institutions**

**(13th, 14th and 15th February 2020)**

The workshop related to the development of Teacher Supportive Material meant for bringing a quality improvement in the Engineering Programme was held on 13th, 14th and 15th February 2020. This was the Phase III of the concerned project.

#### **Day I - 13th February 2020**



The day 1 of the workshop started on 13th February 2020 at 9.30 A.M with registration process, inauguration and this was followed by the directors key not addressed and after this Dr.Suneetha.C.N, the project coordinator presented the concept note of the current workshop. This workshop mainly had an intention of preparing lesson plans in the subjects, namely, civil engineering, computer science engineering, engineering mathematics and electrical engineering.



Prof.Giridharan K.S oriented the group with a model lesson plan in the subject electrical engineering. This was followed by the group discussion which helped the other resource persons to plan the lesson plans in their respective subjectives.

The session 3 in the afternoon had the presentation by Prof. Shivakumar about specific examples under the rubrics model of evaluation. This was followed by the group discussion and writing activity.

The last session of the first day of the workshop had the presentation of the write-up work by the respective subject experts. This was again followed by the group discussion and suggestions for the modifications in the lesson plans.

## **Day II - 14th February 2020**

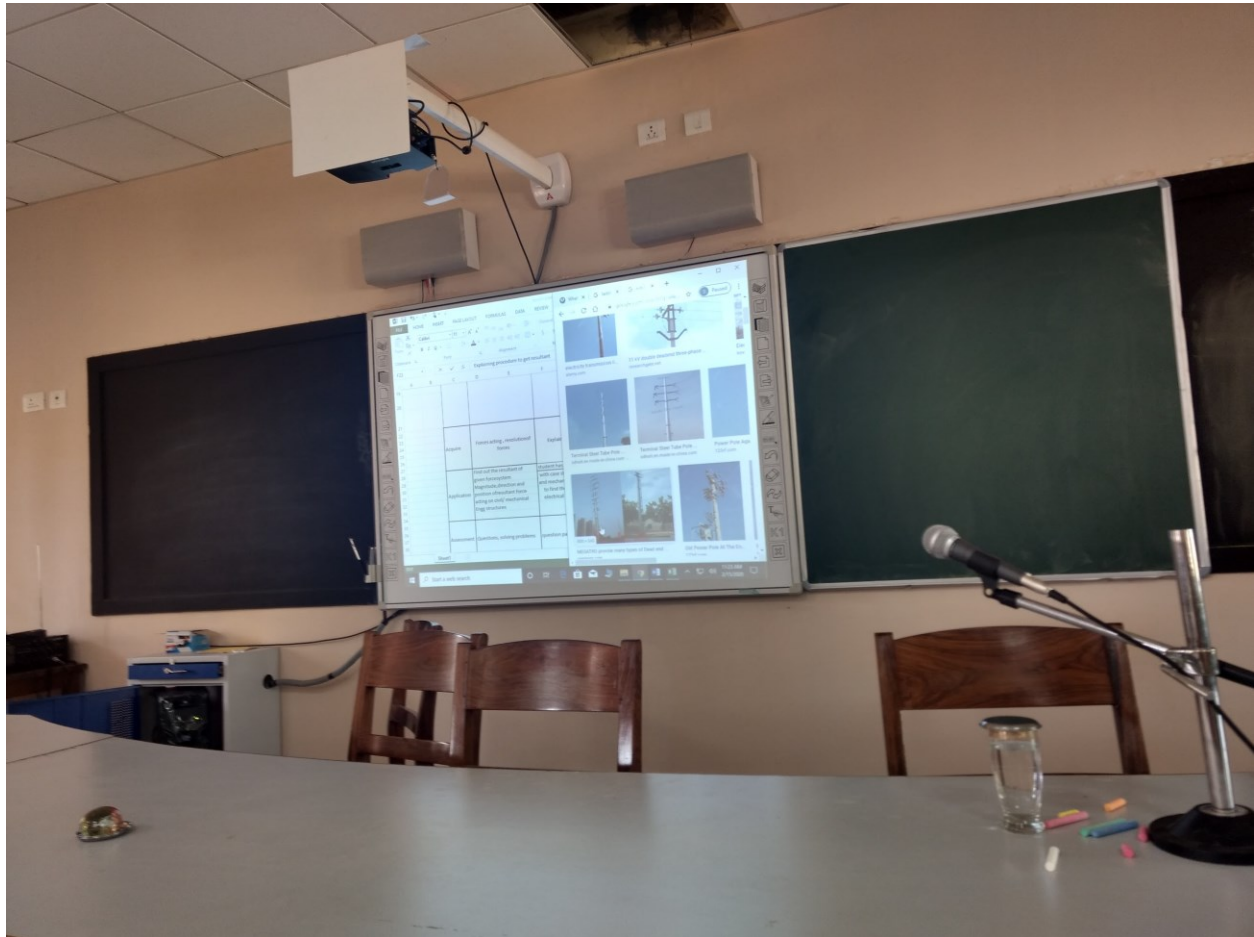
The second of the workshop ie. On 14th february, it started with the lecture cum demonstration regarding models of lesson plans. A threadbare analysis and discussion was done by the group members. During the second session Prof.Giridharan.K.S gave an orientation regarding the evaluation of the learning outcomes. This was again followed by the group discussion. In the afternoon sessions all the members of the different groups were busy with preparing the lesson plans in their respective subjects, namely, civil, electrical, mathematics and computer science in engineering programme. And at the end of the day there were presentations and group discussion on the format and methodologies of the lesson transactions.

Dr.N.Bhaskar, Prof.Sharad Sure, Dr.M.A.Sriraj and Sri.Prakash K.N. constituted the group for engineering mathematics. They collectively prepared the lesson plan for the concept “Curve Fitting”. They presented a 5E Model for teaching Curve Fitting in the form of lesson plan and this was observed by the other members. It was followed by group discussion, and suggestions for modification.





Prof.Arunkumar, from Government Engineering College Ramanagar and Prof.Srinivas, from Government College of Engineering form Kushalnagar presented the lesson plan on the topic resolution of forces. It was again subjected to discussion and suggestion for modification by the group members.



### **Day III- 15th February 2020**

The day 3rd of the workshop began with the feedback and opinions from the resource persons of all the groups, and also with debate and discussions. Later the whole day was very constructively utilised for the writing of lesson plans and culmination of the workshop. However it is to be mentioned here that all the resource persons felt, like, there are few more things to be done meticulously and that will make the Teacher Supportive Material comprehensive enough. So each one of the resource persons who were present at the Phase III workshop have taken the responsibility of contributing the knowledge in put, namely, curriculum design in engineering programme, experiential learning, concept map, farming evaluation criteria, assessment reforms, developing rubrics for qualitative assessment and model lesson plans in different subjects following 4A and 5E pattern.





The final session of the 3rd day of the workshop had certificate distribution for the participants who had attended as resource persons. Professor.Shivakumar issued the certificate to all the resource persons in different subject groups.

The work of preparing a draft copy of the Teacher Supportive Material is under progress. And for the final output it needs a thorough review by the editorial board. This shall be planned very soon in due course of time.