Memo No.K3/5482/2017

Sub: Technical Education – Guidelines for Srujana Programme –
Communicated to the Principals of Govt. Polytechnics to follow up the
action accordingly - Reg.

Ref: 1. This Office memo of Even No. dt. 08.08.2017
2. Workshop on Srujana Programme on 06.09.2017

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For implementation of Srujana Coordinators at Institutional Level, District
level, State level are identified vide reference 1st cited, Further a workshop was
conducted to all coordinators on Srujana Scheme at Hyderabad on 06.09.2017.

A copy of the guidelines regarding Srujana Programme is herewith enclosed
and all the Principals of the Government Polytechnics/ Coordinators are hereby
directed to take up the follow up action and submit compliances.

Encl: As above

Sd/- A. VANI PRASAD
COMMISSIONER

To
The Principals of Govt. Polytechnics/ Institutions in the
State with request to communicate copy to all coordinators.
Copy to the Principals of Govt. Polytechnics in the State.
Copy to all the officers in the Commissionerate
Copy to the Secretary, SBTET, Telangana, Hyderabad.
Copy to the RJD (TE), Telangana State, Hyderabad.
Copy to Stock File/Spare.

//F.B.O//
The topics for identification of projects are classified in to five categories as shown below and The faculty trained should float the projects at their institutes.

1. Electrical, Electronics, Instrumentation and Computer Engineering i.e., Electronics based circuit branches and it’s related topics
2. Mechanical related circuit branches i.e., Mechanical, packaging, Metallurgy and Automobile Engineering related topics
3. Civil Engineering circuit branches i.e., Civil, Architecture, Mining related topics
4. Chemical Engineering circuit branches i.e., CHST and CH related topics
5. Humanities and Sciences DCCP,DHS,CT and DG related topics

The details of competitions to be held at GPT level, District level, State level as shown below.

I. Polytechnic Level:

A senior faculty is appointed as Coordinator for Tech Fest to monitor at the institution level for initiation and progress of study projects in Polytechnics. A minimum of 5 students may be involved in a student group project.

1. Each faculty member must motivate students to form into groups of 5 to 6 members to participate in project-based learning. As many groups as possible to include each and every student in atleast one project i.e., as many projects as possible can be initiated from each of the 5 categories shown above.

2. The selection of topic must create inquisitiveness to explore real world problems and challenges.

3. Every research project is unique and different disciplines have different formats and requirements. The faculty should guide the students in strictly adhering to the prescribed format to document the research work. However, certain key components must be included in every research proposal like:

- A description of the research problem.
- An argument as to why that problem is important.
- A review of literature relevant to the research problem.
- A description of the analogy of proposed research Methodology.
- A description of how the research findings will be used and/or disseminated.

4. A Committee has to be constituted to evaluate the projects at the Polytechnic level and the projects adjudged as best are to be sent to the District Level Committee, constituted by DRCs. One or two external experts must be included on panel of judges.

5. Each Polytechnic thus has to select one best study project from each category by 31st October 2017
II. District Level:

6 A District level committee is constituted consisting of senior faculty of Government Polytechnics of same jurisdiction from various disciplines among circuit branches to evaluate the projects with complete objectivity and transparency. A District Coordinator nominated by Principals, shall monitor the activities at the District level.

7 The District Coordinators have to interact with students and faculty of Polytechnics across the district to enhance their awareness levels and synchronize resource mobilization.

8 The District Coordinators have to facilitate the exchange of data, lab assistance and interactions with senior faculty for hassle free research undertaken by students.

9 The Best Projects adjudged at the District level shall be submitted for final selections at State Level by 30th Nov 2017.

III. State Level:

10 A State Level Committee is constituted consisting of faculty members from broad streams such as Electrical and allied engineering branches to coordinate the activities related to the study projects selected at district level.

11 The State Level Committee shall suggest the names of experts known for their academic and professional integrity to evaluate the study projects in an objective manner.

12 The study projects adjudged as "Best Projects" at State Level shall be awarded with cash incentives of Rs. 25,000/- for the group and Rs. 5000 for the mentor/teacher and Rs. 18,000/- for the group and Rs. 3000 for the mentor/teacher as First and Second prizes respectively in each stream along with a Certificate of Merit.

13 Student project proposals, 5 from each district in broad categories shown above shall be submitted by Principals of all Polytechnics by 5 January, 2018 to CTE’s office.

Assessment of Projects:

A format for Assessment of the Student Study Projects in the each categories shall be as follows:

1. Use for Community (30 marks)
2. Scientific application of knowledge (30 marks)
3. Creativity (20 marks)
4. Presentation (20 marks)

The Principals of all Polytechnics at their level and DRCs at District level are informed to identify a subject expert/s with required qualifications for all the 5 categories mentioned above to evaluate the projects. The details of the experts nominated by Polytechnics for evaluating projects at Polytechnic level and DRCs at district level shall be mailed to sadignaick@gmail.com

Sd/- A.VANI PRASAD
COMMISSIONER

For COMMISSIONER