SAE Plan Q1'24

JAN'24:

1. A general committee meeting will be scheduled to update the members about the working of the club. Department allocation and the plan for Tech and Non-Tech will be announced in the same meeting. (Deadline: January 5)
2. Program Chair and Finance Chair will present the monthly targets of respective departments of Program & Content and Business & Finance. (Deadline: January 4)
3. Plans for Tech branches of SAE will be prepared by the Secretary. (Deadline: January 4)
4. Allocation of departments and assigning of mentors to the general committee members. (Deadline: January 7)
5. Working according to the prepared plan.
6. Activation of bank account (Deadline: January 15)
7. Presentation of initial designs of logo, merchandise and website. (Deadline: January 15)
8. Beginning of the membership procedures for general members. (Deadline: January 16)
9. Updation of club details on club portal (Deadline: January 20)
10. Planning of SAE events, workshops, seminars, lectures, Alumni meet and interaction, Know Your Prof. Series throughout the months of February (2-3 events), March (2-3 events), April (at least 1 event). (Deadline: January 20)
11. Advertising recruitment of the club on a proposal basis in UIET and other departments of PU. (Deadline: January 22, Application Period: January 22-January 29)
12. Complete the first draft of the constitution. (Deadline: January 25)
13. Announcement of new club logo, merchandise, Constitution, Website, SAE Room. (Deadline: January 26)

THE TECH PLAN

- **The Concepts of ज्ञान गंगा, कौशल ग्रह and more:**
  The pilot project of revamping the technical side of SAE UIET PU has finally taken shape in the form of ज्ञान गंगा and कौशल ग्रह. The project was designed with the aim of providing members with sound knowledge (ज्ञान) and equipping them with relevant skills (कौशल) in the related technical domains. The project was further expanded to include non-technical and general domains, ensuring an all-round development of the members.

  ❖ **ज्ञान गंगा:**
  Motto: ज्ञानं परमं ध्येयम्
  ज्ञान गंगा is based on the concepts of communities (called सभा) involving a shared learning and collaborative space for all the participating members. For now, ज्ञान गंगा has been divided into three categories:
  1. अभियान्त्रिकी भवन (The Land of Engineering): This category will include all communities related to the fields of Engineering and Technology. For the time being, it has been decided that the communities that will be formed will be based on a few pre-selected courses (from NPTEL or other sources) that will be followed throughout. The following are the selected courses for this semester:
      a) Mechanical:
      i) [Fundamentals of Automotive Systems](#) (12 weeks, helpful for all automotive enthusiasts)
      ii) [Rocket Propulsion](#)
      iii) [Cryogenic Hydrogen Technology](#)
      b) ECE/EEE:
      i) [Electric Vehicles and Renewable Energy](#)
      ii)

c) CSE/IT:
   i)

2. कर्तव्य भवन (The Land of Duties): This category would include communities run by non-technical departments of SAE. For now, the Business & Finance and Program & Content departments would conduct sessions related to the domains of Finance, Business, Marketing, Graphic Designing, Video Editing, Publicity, Content Research & Strategy.

3. सांस्कृतिक भवन (The Land of Culture): This category will consist of communities related to other general domains that are not covered in the domains above. Sanskrit, Hindi, Philosophy, Psychology, History, or any (literally any) subject that could be of interest to the members could be started as a community under this category.

☐ Guidelines:
1. Any member may initiate a community (सभा) subject to the approval of the Executive Board. The Chair, Vice-Chair, and Technical Chair are empowered to approve any community on their own.
2. The member initiating the सभा shall serve as the सभा lead.
3. It shall be mandatory for a सभा to meet at least once a week (online or offline) with the only exception being the exam season.

❖ कौशल ग्रह:
Motto: योगः कर्मसु कौशलम्

कौशल ग्रह is grounded in the concepts of practice, implementation, and execution.

Currently, कौशल ग्रह is divided into four categories:

1. Team शिवशक्ति/ShivShakti (The Land of Motorsports): Formula Racing Events, Go-Karts, E-Karts, ATVs, and other motorsports-related projects and competitions are included in this category. SAE has decided to run this category on a competition basis for the time being.

2. Team गरुड़ध्वज/Garudadhvaja (The Land of Aerospace): Drones, Planes, Unmanned Aerial Vehicles (UAVs), Rockets, and all other aerospace related projects and competitions would fall under this category. For now, SAE has decided that it will run this category on a competition basis. Feasibility of a project on Fixed Wing Aircraft is under consideration.

3. Team अग्नियोद्धा/AgniYoddha (The Land of Robotics): All projects, competitions, and challenges closely related to Robotics fall under this category. A future plan is to participate in the University Rover Challenge. For now, SAE has decided that the interested candidates will work on developing the setup and eventual prototype for Robowars and Robo Racing.

4. Research & Innovation Council (RIC): As the name suggests, the focus of this category would be to promote research and innovation among the club members. All projects not covered in the domains above would fall under this category. The category would thrive on solving day-to-day problems and simultaneously working on cutting-edge technologies currently being developed worldwide. Autonomous Vehicle Technology (initially started in integration with Robo Racing), Hydrogen-based engines/Hydrogen fuel cells, Hybrid

Vehicles, Hyperloop, Rocket Designing and Propulsion Systems, Advanced Processors would be some ideas to begin with.

SAE would initially plan to choose 1-2 technologies and write a detailed project proposal report for the same which could be forwarded to the administration for the approval of funds. Detailed format of the Proposal Report would be published soon.

☐ Guidelines:

1. Any member can propose their idea for the project group or express an interest to register for a competition. It shall be the duty of the Executive Board to facilitate the team and provide them with necessary assistance and guidance. The Executive Board on rare occasions may also reject the proposal by providing an acceptable explanation to the General Committee.

2. The project lead shall be decided by the Executive Board.

3. It shall be mandatory for project groups to provide weekly updates to the Technical Chair who will provide fortnightly updates to the Executive Board.

❖ **Team नवदुर्गा/Navadurga:**

Motto:

An all-female team composed of all female members of the club. The goal would be to create an atmosphere in which female representation in core engineering is promoted and encouraged. The team would be encouraged to undertake a technical project and/or compete in a relevant competition. The team can choose to work on any of the domains under कौशल ग्रह in which they are interested. The Executive Board shall ensure that the team has the support and resources it

requires. It would be the responsibility of the Vice-Chairperson and the Secretary to monitor the progress of the team and to update the Chairperson on the same.

THE TIME PLAN

Weekdays	Mon	Tues	Wed	Thurs	Fri
17:00-18:00					
18:00-19:00					
19:00-20:00					

Weekends	10:00-12:00	12:00-13:00	13:00-15:00	15:00-17:00	17:00-19:00	19:00-20:00
Saturday						
Sunday						