



TEAM IKSHANA_1

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY
HYDERABAD, TELANGANA

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PROBLEM STATEMENT



ORGANISATION : UNIVERSITY GRANTS COMMISSION (UGC)

PSID : VS935

Development of portal for sharing of resources amongst Higher Educational Institutions on mutual agreement basis.

" This will reduce the undue financial burden on HEIs who want to use it for short duration and give financial benefit to HEIs those are having such resources. The main focus of this problem statement is to

1. To create a platform for the HEIs to update their shareable resources details
2. Aspirant HEIs can submit their requisition for desired resources
3. A Recommendation system must be designed for the aspirant HEIs for easy search and use the resource effectively for their growth in lab session, research and product development, etc."



OUR RESEARCH

We wanted to find the gravity of the problem, so we started investigating from a provider's point of view our college possesses a simple electron microscope that costs around 90Lakh rupees that are sitting idle as it is not used daily.

From an aspirant point of view if we are looking for a simple electron microscope for a lab session then it is not wise to buy a simple electron microscope for a single lab session.

So clearly there is a possibility of bridging this gap by collaborating, but there is no solution that is focused on this problem in particular.





OUR SOLUTION



A WEB POTAL FOR ENABLING RESOURCE SHARING
AND COLLABORATION



A WEB PORTAL CONNECTING
ASPIRANT AND PROVIDER HEIS



REGISTRATION AND AUTHETICATION



DECLARATION OF RESOURCES BY
PROVIDER HEIS



RECOMMENDATION SYSTEM FOR
ASPIRANT HEIS



OUR APPROACH

We have platforms like OLX that provide services like buying and selling used products. But is not completely viable for sharing the resources between institutions in this way as the resources are expensive and are not used frequently by the institutions. Thus renting the resources, for the time being, can be optimal.

And also, there is no communication between the institutions for sharing resources and notifications.

A portal can help connect the institutions for resource sharing and improves collaboration among institutions.

It led us to come up with the web portal - SAHAKAAR.



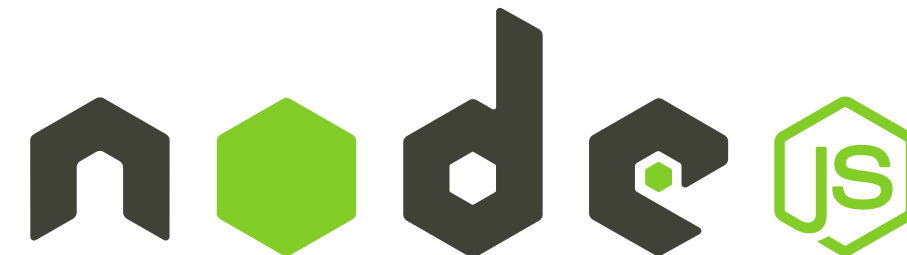


TECH STACK

FRONTEND



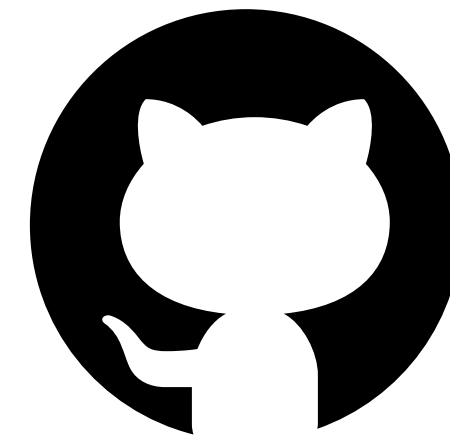
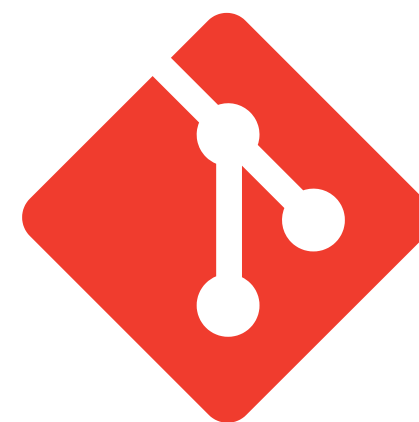
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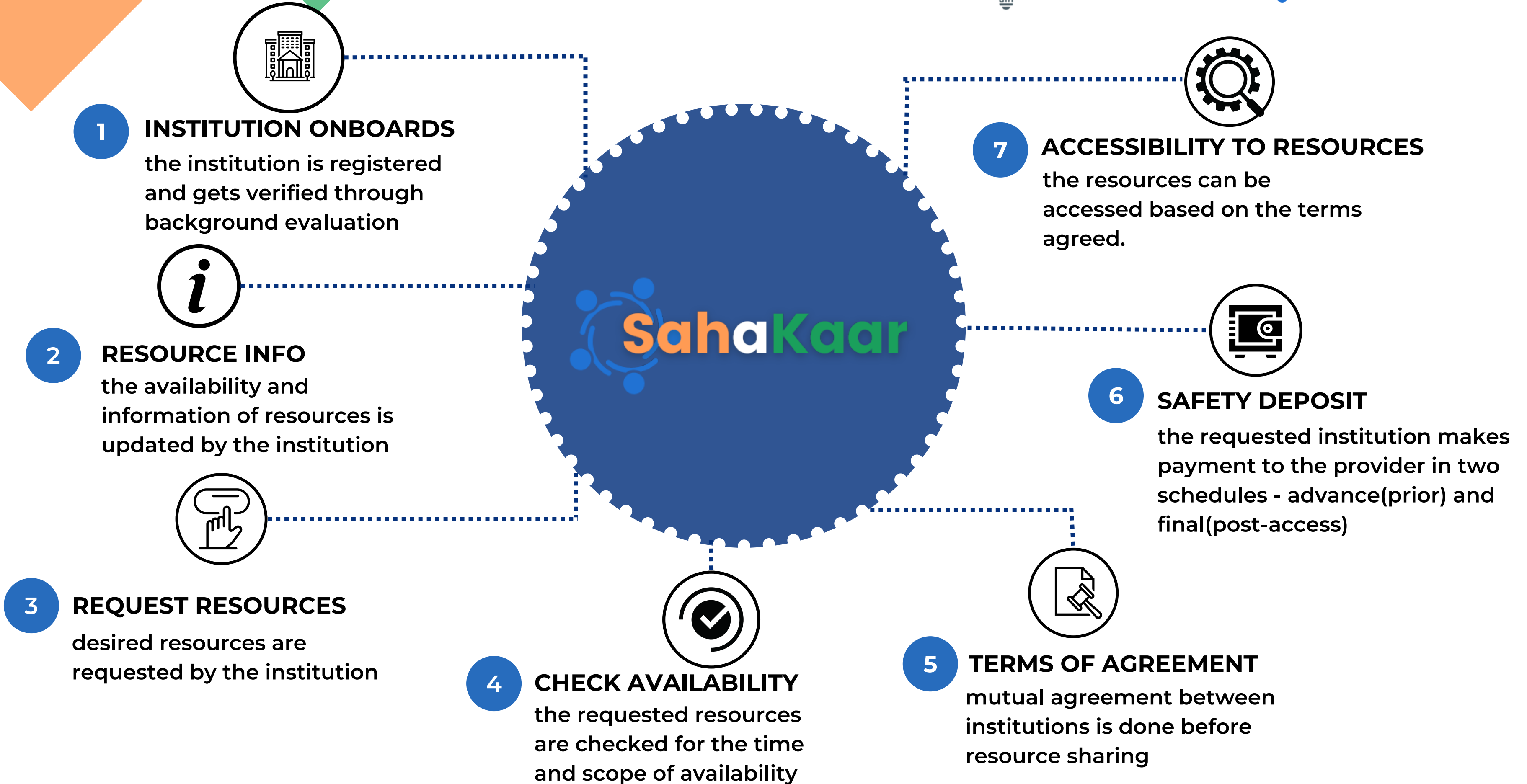
DATABASE



VERSION CONTROL



Control Flow



PROCESS FLOW



college 1

list resources



web application



database



college 2

show available resources

search resources

- both the colleges are connected via webapp
- communication portal
- payment portal

Services We Provide

Request Resources

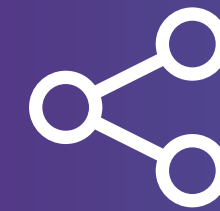


1

A resource request and approval workflow helps to avoid conflicts when scheduling slots.

2

Shared resources are used to define a resource that contains common configuration data that can be referenced from multiple places.



Share Resources

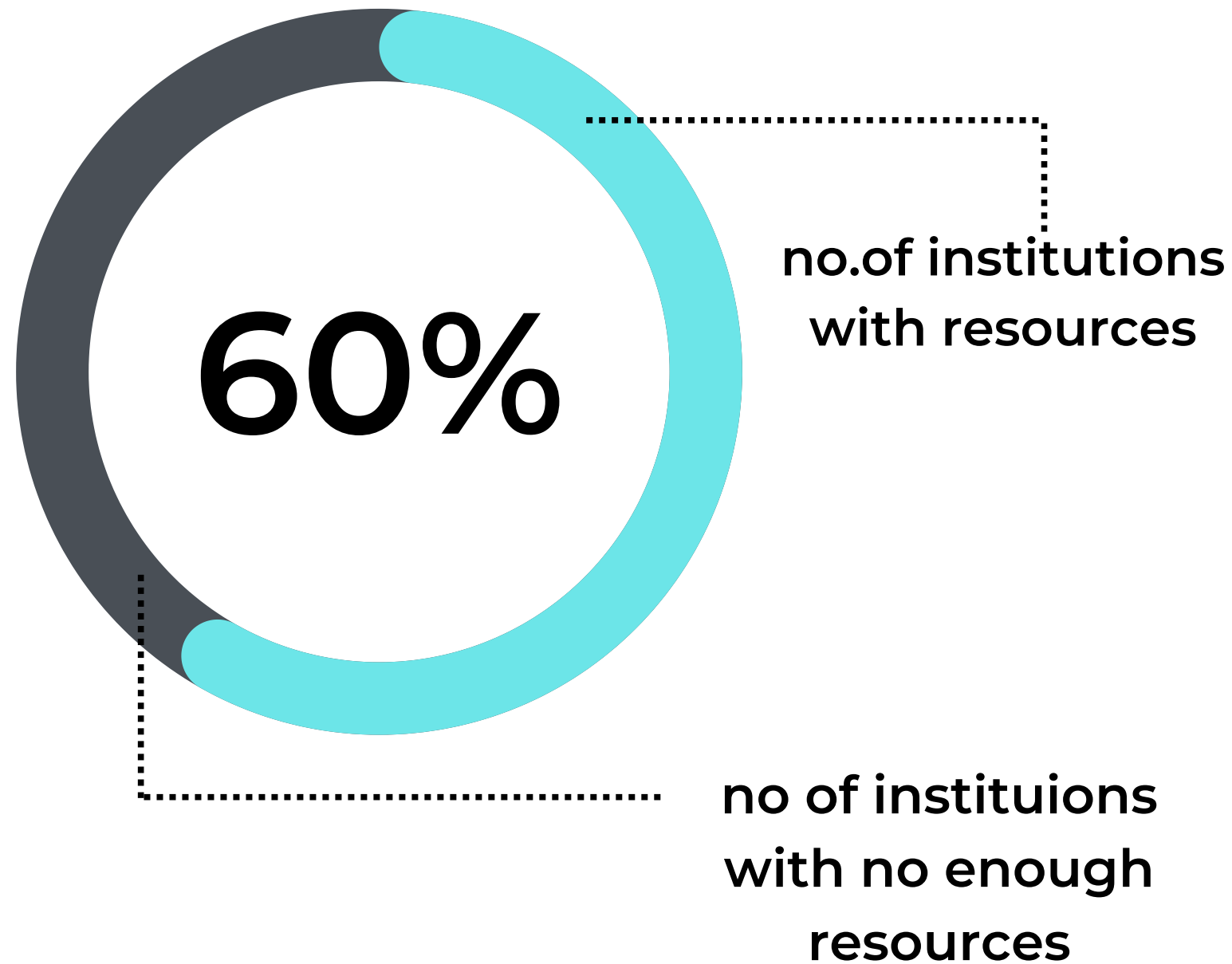
3

communication portal is a service that allows institutions to share information from diverse sources using communication portal.

Communication Portal



Percentage of Institutions having resources



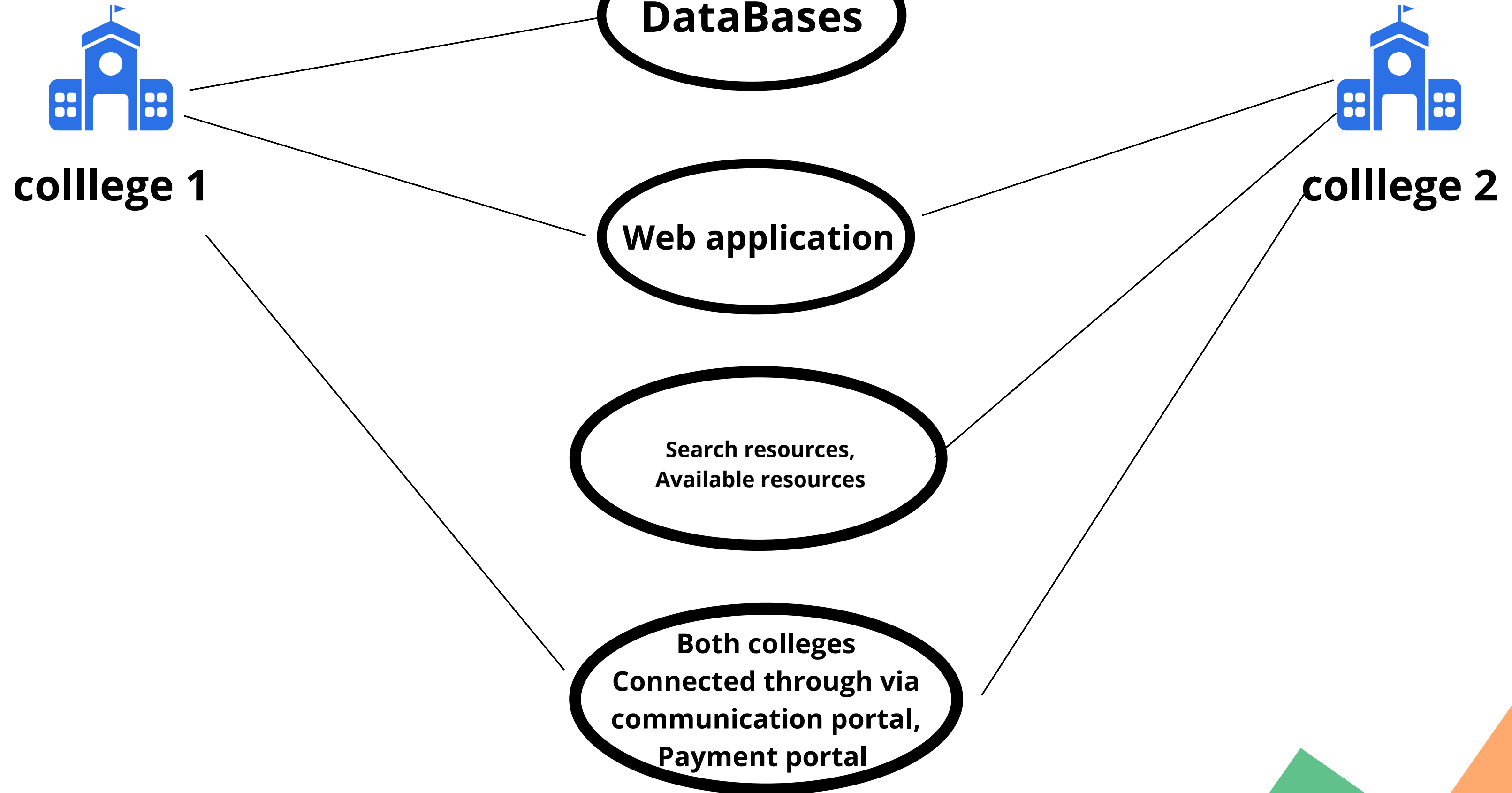
60% of institutions are having resources to conduct their daily works, seminars and more .

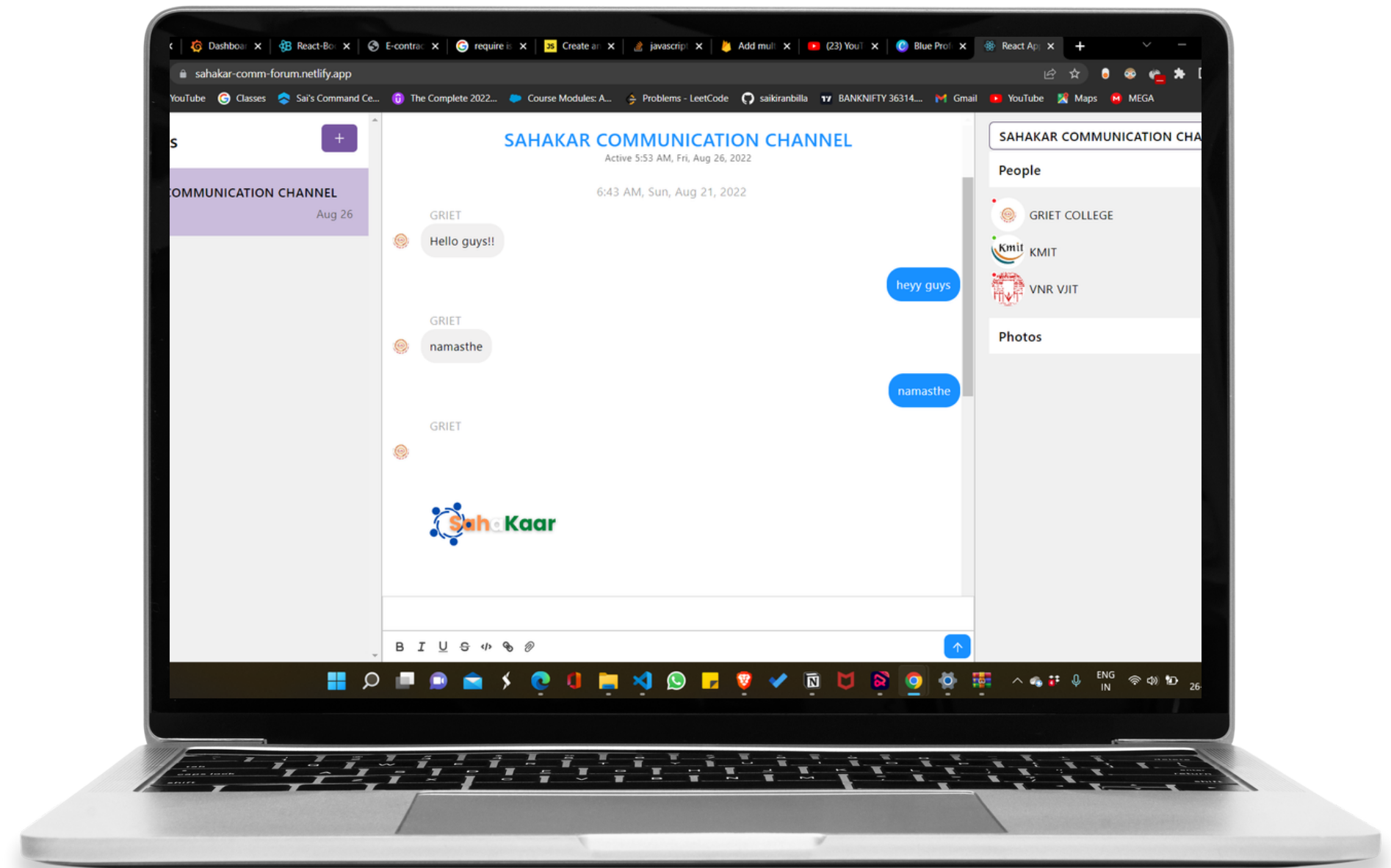
so only 40% of the institutions were not meeting their daily goals in conducting particular event, class, seminars .

By looking at this data ,we can come across the problem.



USE CASE DIAGRAM







COMMUNICATION PORTAL

Add a subheading

