

# Gujarat Technological University



## Project Monitoring and Mentoring System (PMMS)

### USER MANUAL FOR EXTERNAL GUIDE

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# GTU Innovation Council

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# GTU Innovation Council

## 1. External Guide Dashboard

1. Go to External Guide Dashboard tab from My Account menu as shown in below screen.

**Note:**  
This is for information only, you cannot take any action from this page. For taking any action on particular activity, kindly redirect through appropriate menu options.

**(1) Team Registration Analysis**

Activity	Approved
Total number of team/Projects	0

**(2) Student Activity**

Activity	Submitted	Commented	Reviewed	Pending
Periodic Progress Report 1 (PPR 1)	0	0	0	0
Periodic Progress Report 2 (PPR 2)	0	0	0	0

# GTU Innovation Council

## 2. Dashboard will be displayed.

GTU - Project Monitoring and Mentoring SystemWelcome Dhvani  
Sign OutShare your Feedback

[My Account](#) [External Guide](#)

GTU PMMS Activity Dashboard for Semester 7



**Note:** This is for information only, you cannot take any action from this page. For taking any action on particular activity, kindly redirect through appropriate menu options.

**(1) Team Registration Analysis**

Activity	Approved
Total number of team/Projects	0

**(2) Student Activity**

Activity	Submitted	Commented	Reviewed	Pending
Periodic Progress Report 1 (PPR 1)	0	0	0	0
Periodic Progress Report 2 (PPR 2)	0	0	0	0
Periodic Progress Report 3 (PPR 3)	0	0	0	0
Periodic Progress Report 4 (PPR 4)	0	0	0	0
Patent Search And Analysis Report 1 (PSAR 1)	0	0	0	0
Patent Search And Analysis Report 2 (PSAR 2)	0	0	0	0
Patent Search And Analysis Report 3 (PSAR 3)	0	0	0	0
Patent Search And Analysis Report 4 (PSAR 4)	0	0	0	0
Patent Search And Analysis Report 5 (PSAR 5)	0	0	0	0
Design Engineering Canvas (DEC)	0	0	0	0
Project Report	0	0	0	0
Plagiarism Search Report	0	0	0	0

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## 2. Change Password

1. Go to External Guide Dashboard tab from My Account menu as shown in below screen.

The screenshot shows a user interface with a blue header containing 'My Account' and 'External Guide'. A dropdown menu is open under 'External Guide', with 'Change Password' highlighted in a red box. A red circle with the letter 'A' is overlaid on the 'Change Password' link. Below the header, there is a 'Note' section and two data tables.

**Note:**  
This is for information only, you cannot take any action from this page. For taking any action on particular activity, kindly redirect through appropriate menu options.

**(1) Team Registration Analysis**

Activity	Approved
Total number of team/Projects	0

**(2) Student Activity**

Activity	Submitted	Commented	Reviewed	Pending
Periodic Progress Report 1 (PPR 1)	0	0	0	0
Periodic Progress Report 2 (PPR 2)	0	0	0	0

# GTU Innovation Council

## 2. Fill details

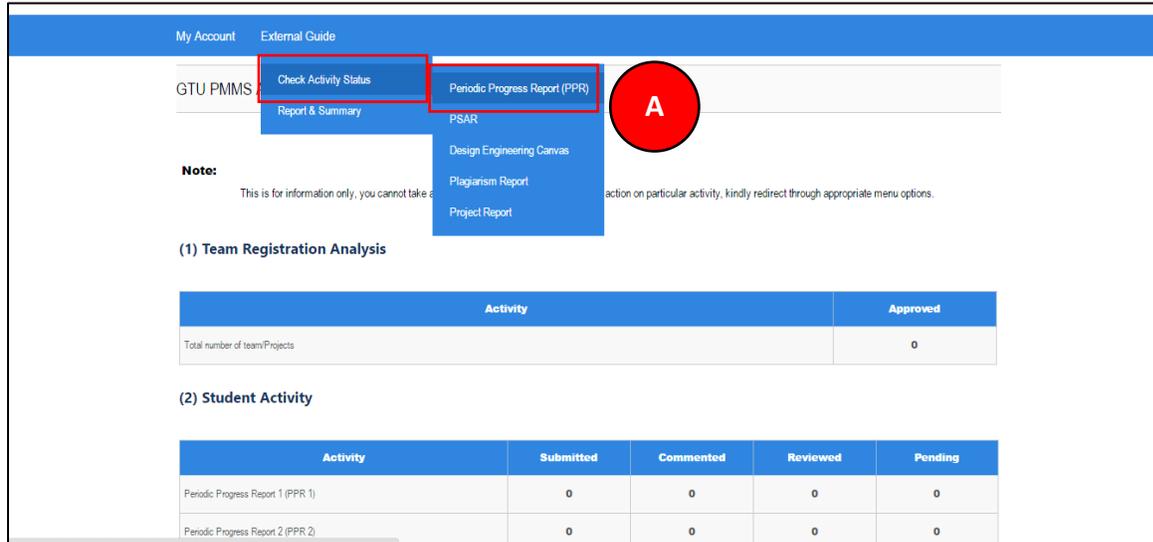
## 3. Click Submit Comments

The screenshot displays the 'Change Password' page of the GTU Project Monitoring and Mentoring System. The page header includes the GTU logo, the system name, and user information (Welcome Dhvani, Sign Out, Share your Feedback). A blue navigation bar contains 'My Account' and 'External Guide'. The main content area features a 'Change Password' section with three password input fields: 'Current Password', 'New Password', and 'Confirm New'. A red circle labeled 'B' is positioned to the right of the 'New Password' field, and another red circle labeled 'C' is positioned to the left of the 'Confirm New' field. Below the fields are 'CHANGE PASSWORD' and 'CANCEL' buttons. A note states: 'Note : \* Indicates mandatory field.' The footer contains the copyright notice: '© Gujarat Technological University. All Rights Reserved.'

# GTU Innovation Council

## 3. Periodic Progress Report (PPR)

1. Go to Periodic Progress Report (PPR) tab from External Guide menu as shown in below screen.



The screenshot shows the 'External Guide' menu in the GTU PMMS system. The 'Periodic Progress Report (PPR)' option is highlighted with a red box and a red circle containing the letter 'A'. Below the menu, there is a 'Note' section and two tables: '(1) Team Registration Analysis' and '(2) Student Activity'.

**Note:** This is for information only, you cannot take action on particular activity, kindly redirect through appropriate menu options.

**(1) Team Registration Analysis**

Activity	Approved
Total number of team/Projects	0

**(2) Student Activity**

Activity	Submitted	Commented	Reviewed	Pending
Periodic Progress Report 1 (PPR 1)	0	0	0	0
Periodic Progress Report 2 (PPR 2)	0	0	0	0

# GTU Innovation Council

- 2. Fill required Enrollment Number
- 3. Click View Link

# GTU Innovation Council

4. Comment on respective Activity
5. Click SUBMIT COMMENTS Button to respectively comment the desired activity

GTU - Project Monitoring and Mentoring SystemWelcome Dhwan  
Sign Out  
Share your Feedback

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My Account External Guide

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### Periodic Progress Report (PPR)

[BACK](#)

<b>Enrollment No :</b>	100430125052	<b>College :</b>	Shantlal Shah Engineering College, Bhavnagar
<b>Student Name :</b>	Shingala Hirenkumar Vinubhai	<b>Department :</b>	Production Engineering
<b>Mobile No :</b>	9727745175	<b>Discipline :</b>	BE
<b>Email :</b>	nitin@gtu.edu.in	<b>Semester :</b>	Semester 7
<b>Project :</b>	Auto Run Scans To Check For Cloud Services.		

Sr. No	PPR	Date of Submission	Time Interval	Status	Action
1	First PPR	07/11/2016	-	Submitted	<a href="#">View Details</a>
2	First PPR	07/11/2016	-	Reviewed	<a href="#">View Details</a>
3	First PPR	07/11/2016	-	Reviewed	<a href="#">View Details</a>
4	First PPR	07/11/2016	-	Reviewed	<a href="#">View Details</a>

#### PPR Details

Note : \* Indicates mandatory field.

**Periodic Progress Report : First PPR**

**1. What Progress you have made in the Project ?**  
Continuous reporting functionality in the participant portal: It is activated at the time the project starts and it is continuously open for the beneficiaries to submit deliverables, to report on progress in achieving milestones, to follow up of critical risks, ethics issues, publications, communications activities, and the answers to the questionnaire on horizontal issues.

**2. What challenge you have faced ?**  
When the coordinator submits the periodic report, the IT tool will capture the information from the continuous reporting module in order to generate the Part A of the periodic technical report. The IT tool will consolidate the individual financial statements and it will generate automatically the report with explanations of the use of resources and the periodic summary financial statements, which corresponds to the request for payment.

**3. What support you need ?**  
This section must be completed on-line with suitable quality to enable direct publication by the Commission/Agency. It should be easy to read i.e. written in a language easily understandable by a broader public; thereby promoting the dissemination and supporting the exploitation of EU funded results. It should preferably not exceed

**4. Which literature you have referred ?**  
The differences in communication styles between men and women has been a topic of interest in the research world for many years. These differences may lead to miscommunication, conflict, and even dissatisfaction between couples. This study analyzes the communication styles among genders, more specifically among married couples. It questions how differences in communication styles between married couples married five years or less affect marital satisfaction. The study will be conducted through the use of an interaction analysis. Its goal is to increase the amount of knowledge regarding effective communication and how it relates to marital satisfaction in order to ultimately aid in the rise of marital satisfaction and the decrease of the divorce rate in the United States.

**Time Interval :** -

**Document :** Download

#### Comments

**\* Comments by External Guide:**



[SUBMIT COMMENTS](#)

**Note:**  
**Comment:** If you click on comment (as per your observations) then it means, student will respond specific to the comment. And so student **CAN** further modify the details, and after which faculty has to **REVIEW** the changes as made by students.  
**Review:** If you click on review, then it means you are satisfied with the work of student and hence it will be finally submitted to university. **NO** further modification will be possible their after.

[BACK](#)

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# GTU Innovation Council

## 4. Design Engineering Canvas

1. Go to Periodic Progress Report (PPR) tab from External Guide menu as shown in below screen.

GTU - Project Monitoring and Mentoring System

Welcome Dheeraj  
Sign Out  
Share your Feedback

My Account External Guide

GTU PMMS

- Check Activity Status
- Report & Summary
- Periodic Progress Report (PPR)
  - Design Engineering Canvas
  - PSAR
  - Plagiarism Report
  - Project Report

**Note:**  
This is for information only, you cannot take action on particular activity, kindly redirect through appropriate menu options.

(1) Team Registration Analysis

Activity	Approved
Total number of teams/Projects	0

(2) Student Activity

## 2. Read Instructions and Guidelines and Click PROCEED button

GTU - Project Monitoring and Mentoring SystemWelcome Dhvani  
Sign OutShare your Feedback

[My Account](#) [External Guide](#)

### Design Engineering Canvas

**Objectives of design canvas activities:**

Design Engineering is a subject based on Design Thinking that will change the mind-set of young engineers to create innovation, entrepreneurship, skill development culture in India. Design Thinking is Human Centred process with specific steps like Observation, Empathy, Ideation, Product Development, Prototype and Test with lots of iterations. All Canvases, framework, tools & techniques are useful to enhance creativity and innovation in the projects. Design Engineering must be considered as philosophy rather a subject.

**Task:**

During semester 7 the student teams are required to carry out the following design engineering canvas activities related to student's project to identify and filter out good ideas and project definition to work upon:

1. AEIOU Summary
2. Empathy Summary
3. Ideation
4. Product Development

- The Institute/College will arrange workshops for different design canvases like Empathy Summary, Ideation and similar design thinking practices.
- All the student-teams are required to participate in the workshops, involving the whole of the class and prepare the necessary documents. Students' teams need to summarize AEIOU framework activity for observation part in Empathy Summary.
- Then they need to document scouted challenges of the Final Year problem that they have selected.
- Out of those challenges the top 5 problems need to be selected on the basis of desirability, feasibility and viability.
- After discussion with Faculty Guide and other groups, the final problem statement may be defined. All teams need to validate their problem statements with the users.

[GTU Guideline for PMMS activities](#)  
(Refer Page No 10 for Design Engineering - Canvas Activity)

[PROCEED](#) 

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## 3. Click on Comment Link to comment your students activity

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Sign Out  
[Share your Feedback](#)

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[My Account](#) [External Guide](#)

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List of Design Engineering Canvas (DEC)

**Discipline :**  **Semester :**

**Enrollment No :**

**Note :** Review the uploaded canvas files as submitted by student teams, give your ReviewComments and submit the feedback form.

List of Design Engineering Canvas (DEC)

Sr. No	Team ID	Project Title	College	Department	Status	AEIOU Summary Canvas	Empathy Summary Canvas	Ideation Canvas	Product Development Canvas	Action
1	14442	Auto Run Scans To Check For Cloud Services	Shantil Shah Engineering College, Bhaunagar	Production Engineering	Submitted	Download	Download	Download	Download	Comment



# GTU Innovation Council

4. Comment on respective Activity

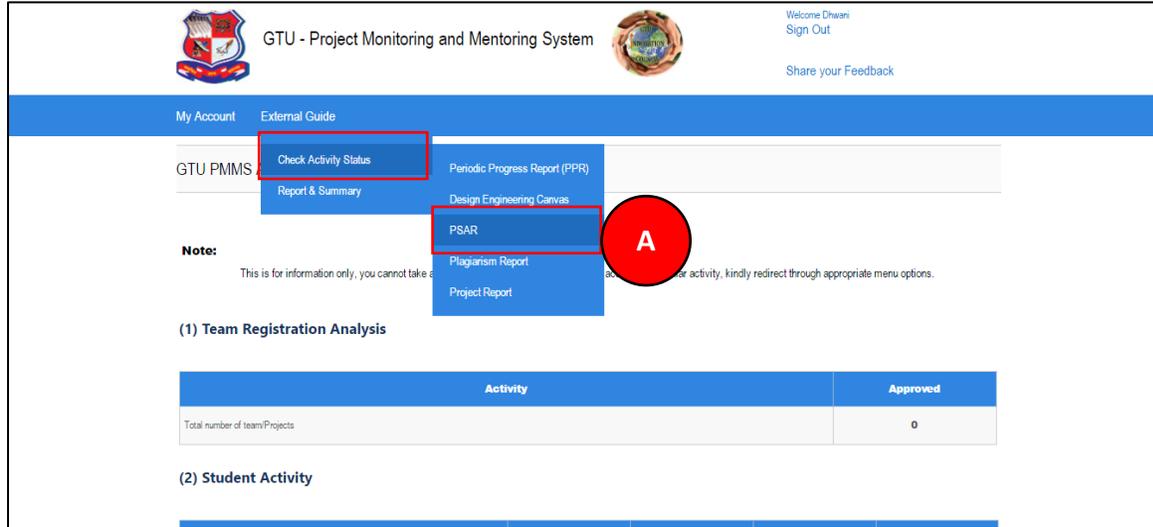
5. Click **SUBMIT COMENTS** Button to respectively comment the desired activity

The screenshot displays the 'Design Engineering Canvas Details' page. At the top, there are navigation links for 'My Account' and 'External Guide'. The page header includes the GTU logo, the system name 'GTU - Project Monitoring and Mentoring System', and user options like 'Welcome Dhvani', 'Sign Out', and 'Share your Feedback'. The main content area shows project information: College (Shantil Shah Engineering College, Bhavnagar), Department (Production Engineering), Discipline (BE), Semester (Semester 7), Project Name (Auto Run Scans To Check For Cloud Services), Team ID (14442), Last Modified Date (12-07-2016), and Status (Submitted). Below this is a 'Questions' section with 10 survey questions, each with radio button options for 'Yes' and 'No'. The 'Comments' section at the bottom features a text input field with a red circle containing the letter 'D' next to it, and a 'SUBMIT COMMENTS' button. A 'Note' section explains the review process, and a 'Review' section has a red circle with the letter 'E' and a 'REVIEW' button. A 'BACK' button is located at the bottom right of the main content area.

# GTU Innovation Council

## 5. PSAR

1. Go to PSAR tab from External Guide menu as shown in below screen.



The screenshot shows the GTU - Project Monitoring and Mentoring System (PMMS) External Guide menu. The 'PSAR' option is highlighted with a red box and a red circle containing the letter 'A'. The menu items include: Check Activity Status, Report & Summary, Periodic Progress Report (PPR), Design Engineering Canvas, PSAR, Plagiarism Report, and Project Report. Below the menu, there is a 'Note' section and a table for 'Team Registration Analysis'.

**Note:**  
This is for information only, you cannot take action on this report. For more activity, kindly redirect through appropriate menu options.

Activity	Approved
Total number of team/Projects	0

(2) Student Activity

## 2. Read Instructions and Guidelines and Click PROCEED button



GTU - Project Monitoring and Mentoring System



Welcome Dhvani  
Sign Out

Share your Feedback

My Account
External Guide

### Patent Search and Analysis Report (PSAR)

**The Objective of PSAR activity** is to increase awareness regarding patents among students and faculty by making them familiar with patent websites & patent documents. PSAR activity is designed to motivate students for innovative thinking.

In PSAR activity every student of final year BE who is doing project individually or in team are required to do patent search related to their IDP/UDP/Final year projects and submit a report of their such work online.

During PSAR generation activity, every student within a team has **to study at least five (5) patents related either to his/her IDP/UDP or related to his/her area of interest** Analysed data of each of these five patents is to be submitted online at PMMS portal.

**STUDENTS CAN USE ANY FREE/OPEN SOURCE AVAILABLE PATENT DATABASES FOR PATENT SEARCH, few of open source patent databases are as below:**

Sr. No.	Database	Web link
1	Indian Patent Office Database	<a href="http://ipindiaservices.gov.in/publicsearch/">http://ipindiaservices.gov.in/publicsearch/</a>
2	European Patent Office Database (Espacenet)	<a href="http://worldwide.espacenet.com/advancedSearch">http://worldwide.espacenet.com/advancedSearch</a>
3	WIPO Patent Database (PATENTSCOPE)	<a href="http://patentscope.wipo.int/search/en/search.jsf">http://patentscope.wipo.int/search/en/search.jsf</a>
4	US patent database (USPTO)	<a href="http://patft.uspto.gov/">http://patft.uspto.gov/</a>
5	Google Patents	<a href="https://patents.google.com/">https://patents.google.com/</a>
6	Free Patents Online	<a href="http://www.freepatentsonline.com/">http://www.freepatentsonline.com/</a>
7	Directory of Country Wise Intellectual Property Offices	<a href="http://www.wipo.int/directory/en/iafs.jsp">http://www.wipo.int/directory/en/iafs.jsp</a>

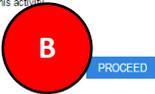
*PSAR reports of patent search work by each team will also be made online along with comment and suggestions of the guide. Data will be made available online for creating lateral learning opportunities within and across various branches/sectors of engineering students at GTU.*

**Note: To scale up the PSAR activity, this year GTU is also introducing the PSAR review process by faculty in PMMS. Faculty are advised to motivate students for giving best possible extensions/add on features in each studied patent by every student. These data of PSAR reports will be made online for lateral learning by other faculty and students. And after review of each innovative idea (answer of PSAR question no. 27), by faculty best ideas can be identified and transformed/taken into really innovative projects to build novel product or processes in next semester or year. This will enhance the level of innovative idea/projects and mitigate the duplication of work.**

**Responsibility of Guide:**  
It will be the responsibility of the faculty-guide to ensure that each student (team member) will study the different patents related to their IDP/UDP. No student of the same team/same class has to repeat the same patent as studied by another team member/student of the same project/IDP/UDP or class.

**Role of Internal guide/EG/HOD/Principal:**

- Make students aware about the objective of this activity.
- Internal guide must has to verify the uploaded canvas files related to individual teams activity/project. Faculty may give their suggestion/inputs/comments related to canvas and report. The same tasks can also be performed from HOD/Principal's account.
- Based on the inputs from internal guide/HOD/Principal student team has to take necessary action.
- External guide and External mentor can also comment on this activity.



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## 3. Click on View Details to comment your students activity



GTU - Project Monitoring and Mentoring System



Welcome Dhvani  
Sign Out

Share your Feedback

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### Patent Search and Analysis Report (PSAR) Details

[BACK](#)

**Enrollment No :** 100430125002  
**Student Name :** Shingala Hirenkumar Virubhai  
**Mobile No :** 9727745175  
**Email :** mtr@gtu.edu.in

**College :** Shantilal Shah Engineering College, Bhavnagar  
**Department :** Production Engineering  
**Discipline :** BE  
**Semester :** Semester 7

**Project Name :** Auto Run Scans To Check For Cloud Services  
**Team ID :** 14442

Sr. No	Patent No	Date of Submission	Status	Download	Action
1	125947	07/11/2016	Submitted	Download	View Details
2	21432454	07/11/2016	Reviewed	Download	View Details
3	fg	07/11/2016	Reviewed	Download	View Details
4	fg	07/12/2016	Reviewed	Download	View Details
5	fg	07/12/2016	Reviewed	Download	View Details

[BACK](#)

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4. Fill desired Enrollment number and Click Search Button
5. Click on Comment Link to comment your students activity

GTU - Project Monitoring and Mentoring System

Welcome Dhvani  
Sign Out  
Share your Feedback

My Account External Guide

List of Patent Search and Analysis Report (PSAR)

Note : \* Indicates mandatory field.

Note : Please Enter Student's enrollment no to see his/her PSAR details.

Discipline: All Semester : Select

\*Enrollment No : 100430125062

**D** SEARCH

List of Patent Search and Analysis Report (PSAR)

Sr. No	Enrollment No.	Student Name	Project Title	College	Department	PSAR Count	Reviewed PSAR Count	Action
1	100430125062	Shingala Hirenkumar Virubhai	Auto Run Scans To Check For Cloud Services	Shantil Shah Engineering College, Bhavnagar	Production Engineering	1	4	<b>E</b> Comment

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## **GTU Innovation Council**

- 6. Click View Details**
- 7. Comment on respective Activity**
- 8. Click SUBMIT COMENTS Button to respectively comment the desired activity**



**GTU - Project Monitoring and Mentoring System**



[Home/Logout](#)  
[Sign Out](#)  
[Share your Feedback](#)

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My Account
External Guide

**Patent Search and Analysis Report (PSAR) Details**

**Enrollment No :** 100430125062  
**Student Name :** Shingha Himanshu Virupak  
**Mobile No :** 972745175  
**Email :** msh@gtu.edu.in

**College :** Shantil Shah Engineering College, Bhavnagar  
**Department :** Production Engineering  
**Discipline :** PE  
**Semester :** Semester 7

[BACK](#)

**Project Name :** Auto Run Scans To Check For Cloud Services  
**Team ID :** 14442

Sr. No	Patent No	Date of Submission	Status	Download	Action
1	125847	07/11/2016	Submitted	Download	View Details
2	21432454	07/11/2016	Reviewed	Download	View Details
3	810	07/11/2016	Reviewed	Download	View Details
4	810	07/12/2016	Reviewed	Download	View Details
5	810	07/12/2016	Reviewed	Download	View Details

**Part - I : PATENT SEARCH TECHNIQUE USED**

**1. Patent Search Database Used :** Indian Patent Office database  
**Web link of the Database:** <http://ipolindiareservices.gov.in/patentsearch/>  
**2. Keywords Used for Search :** patent patent 2 patent 3  
**3. Search String Used :** patent  
**4. Number of Results/Hits getting :** 12

**PART - II : BASIC DATA OF PATENTED INVENTION/BIBLIOGRAPHIC DATA**

**5. Category/Field of Invention :** Mechanical  
**6. Invention is Related to/Class of Invention:** CLOUD COMPUTING  
**8a. IPC class of the studied patent :** G06F  
**7. Title of Invention :** Cloud Computing provides us means by which we can access the applications as utilities over the internet  
**8. Patent No.:** 125847  
**9. Application No. :** 2016123  
**9a. Web link of the studied patent :** <http://ipolindiareservices.gov.in/patentsearch/>  
**10. Date of Filing Application :** 11/07/2016  
**11. Priority Date :** 08/07/2016  
**12. Publication/Journal Number - (Issue No. of Journal in which Patent is published) :**  
**13. Publication Date :**  
**14. First Filled Country :**  
**15. Also Published as**

Country	Patent No
Aghemian	1234

**16. Inventor**

Name of Inventor	Address/City/Country of Inventor
MS DEWANI	VADNA

**17. Applicant**

Name of Applicant/Assignee	Address/City/Country of Applicant
MS ARITA	PRANALDANAGAR

**18. Applicant for Patent is :**

**PART - III : TECHNICAL PART OF PATENTED INVENTION**

**19. Limitation of Prior Technology/Art :**  
 Before proceeding with this Invention, you should have basic knowledge of Computers, Internet, Database and Networking concepts.

**20. Specific Problem Solved/Objective of Invention :**  
 Cloud Computing Tutorial with High end solution of IT infrastructure. Cloud computing is a virtualization based technology that reduces the cost of IT infrastructure. It provides a solution of IT infrastructure in low cost in this cloud tutorial, you will learn basic and advanced topics of cloud that is developed for engineers and professionals.

**21. Brief about Invention :**  
 Cloud Computing has its applications in almost all the fields such as business, entertainment, data storage, social networking, management, entertainment, education, art and global positioning system, etc. Some of the widely known cloud computing applications are discussed here in this tutorial. Business Applications Cloud computing has made businesses more collaborative and easy by incorporating various apps such as MailChimp, Chatter, Google Apps for business, and Quickbooks.

**22. Key Learning Points :**  
 Cloud Computing has its applications in almost all the fields such as business, entertainment, data storage, social networking, management, entertainment, education, art and global positioning system, etc. Some of the widely known cloud computing applications are discussed here in this tutorial. Business Applications Cloud computing has made businesses more collaborative and easy by incorporating various apps such as MailChimp, Chatter, Google Apps for business, and Quickbooks.

**23. Summary of Invention :**  
 Cloud Computing has its applications in almost all the fields such as business, entertainment, data storage, social networking, management, entertainment, education, art and global positioning system, etc. Some of the widely known cloud computing applications are discussed here in this tutorial. Business Applications Cloud computing has made businesses more collaborative and easy by incorporating various apps such as MailChimp, Chatter, Google Apps for business, and Quickbooks.

**24. Number of Claims :** 45  
**25. Patent Status :** Published Application  
**26. How much this invention is related with your IDP/UDP? :** > 91 %

**Invention to improve**

**27. Do you have any idea to do anything around the said invention to improve it? :**  
 Cloud Computing has its applications in almost all the fields such as business, entertainment, data storage, social networking, management, entertainment, education, art and global positioning system, etc. Some of the widely known cloud computing applications are discussed here in this tutorial. Business Applications Cloud computing has made businesses more collaborative and easy by incorporating various apps such as MailChimp, Chatter, Google Apps for business, and Quickbooks.

**Questions**

**Question 1 :** Does this PSAR report is based on patent related to student's project?  Yes  No

**Question 2 :** Does student have prepared PSAR report after proper reading of patent?  Yes  No

**Question 3 :** Does the PSAR report of student is of appropriate quality?  Yes  No

**Question 4 :** Does the PSAR activity had contributed in any way to improve the project of this students?  Yes  No

**Question 5 & 6**

**Question 5 :** Does the improvement idea given by student under question no 27 of PSAR report has potential to take forward as project in next  Yes  No semester/year?

**Question 6 (A) :** Is the idea given above is feasible to carry out as project at your college laboratory?  Yes  No  
 What kind of support is required, to take it forward – Description in brief?

**Question 6 :** Are you willing to publish this idea on public website (PAMS), so that other students/faculty/colleges can study innovative ideas and may  Yes  No take this idea to work upon as a novel project?

**Comments**

**COMMENTS**

[SUBMIT COMMENTS](#)

[BACK](#)

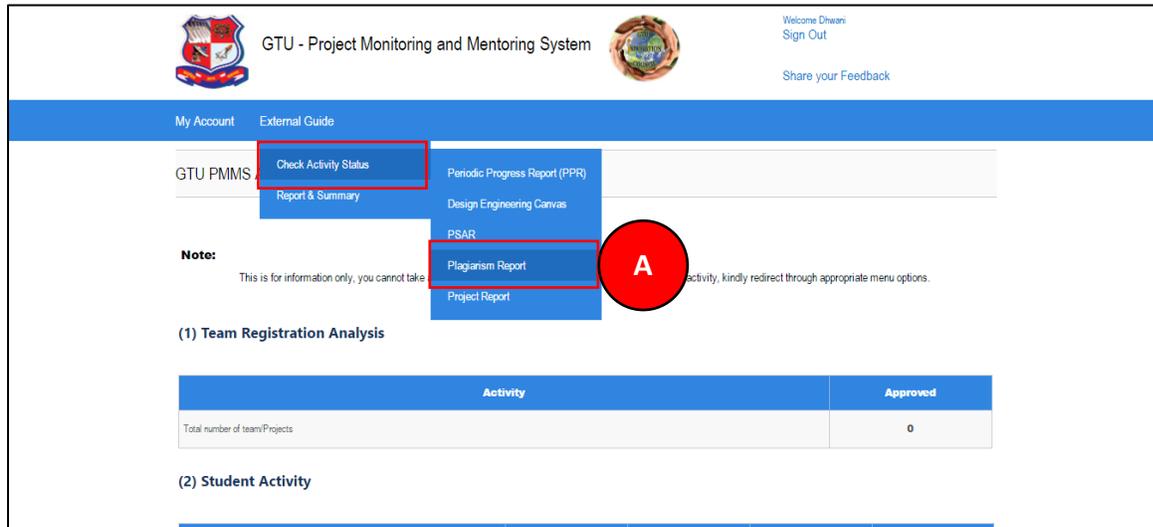
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F

G

## 6. Plagiarism Report

1. Go to Plagiarism Report tab from External Guide menu as shown in below screen.



The screenshot shows the GTU PMMS External Guide interface. At the top, there is a header with the GTU logo, the text "GTU - Project Monitoring and Mentoring System", a globe icon, and user information: "Welcome Dhwan", "Sign Out", and "Share your Feedback". Below the header is a blue navigation bar with "My Account" and "External Guide" tabs. The "External Guide" menu is open, showing options: "Check Activity Status", "Report & Summary", "Periodic Progress Report (PPR)", "Design Engineering Canvas", "PSAR", "Plagiarism Report", and "Project Report". The "Plagiarism Report" option is highlighted with a red box, and a red circle with the letter 'A' is placed over it. Below the menu, there is a "Note:" section with the text "This is for information only, you cannot take activity, kindly redirect through appropriate menu options." Underneath, there is a section titled "(1) Team Registration Analysis" with a table showing "Activity" and "Approved" columns. The table has one row with "Total number of teamProjects" and "0". Below this is a section titled "(2) Student Activity".

Activity	Approved
Total number of teamProjects	0

## 2. Read Instructions and Guidelines and Click PROCEED button



GTU - Project Monitoring and Mentoring System



Welcome Dhvani  
Sign Out

Share your Feedback

[My Account](#)   [External Guide](#)

### Plagiarism Report

**Objective:**

All the student teams have to check their project report for plagiarism, which indicates percentage similarity of the languages used during drafting project report, using a good plagiarism-checking/search software package. All student teams have to get plagiarism search certificate using any available free plagiarisms search tools/service/software.

List of few online free plagiarism checker tools are as below, student can use any of below to get plagiarism search report/certificate related to their project report. Also students are permitted to use any other tools beyond this list. Students are advised to get plagiarism certificate as soon as possible after their project report is ready.

Sr. No.	Website Name	Link
1	Viper	<a href="http://www.scannymyessay.com/">http://www.scannymyessay.com/</a>
2	Plagium	<a href="http://www.plagium.com/">http://www.plagium.com/</a>
3	Plagiarisma.net	<a href="http://plagiarisma.net/">http://plagiarisma.net/</a>
4	PlagScan	<a href="http://www.plagscan.com/seesources/">http://www.plagscan.com/seesources/</a>
5	CopyScape	<a href="http://www.copyscape.com/">http://www.copyscape.com/</a>
6	JPlag -KIT	<a href="https://plag.jpd.kit.edu/">https://plag.jpd.kit.edu/</a>
7	DOC Cop	<a href="https://www.doccop.com/index.html">https://www.doccop.com/index.html</a>
8	Duplichecker	<a href="http://www.duplichecker.com/">http://www.duplichecker.com/</a>
9	Dustball	<a href="http://www.dustball.com/cs/plagiarism-checker/">http://www.dustball.com/cs/plagiarism-checker/</a>
10	Plagiarism detect	<a href="http://www.plagiarism-detect.com/">http://www.plagiarism-detect.com/</a>
11	PaperRater	<a href="http://www.paperater.com/">http://www.paperater.com/</a>
12	Free Online Plagiarism Software	<a href="http://plagiarismsoftware.org/">http://plagiarismsoftware.org/</a>
13	OAPS	<a href="http://oaps.eu/">http://oaps.eu/</a>
14	Woopyfind	<a href="http://plagiarism.bloomfieldmedia.com/?z=wordpress/software/woopyfind">http://plagiarism.bloomfieldmedia.com/?z=wordpress/software/woopyfind</a>

Students are required to attach such plagiarisms certificate/report in to their project report, as well they are also required to upload same certificate/report on PMMS portal.

**Review:**

If you click on review, then it means you are satisfied with the work of student and hence it will be finally submitted to university. **NO** further modification will be possible their after.

**Role of Internal Guide/HOD/Principal:**

- Make students aware about the **objective** of this activity.
- Internal guide must has to **verify** the uploaded plagiarisms report file related to individual teams activity/project. Faculty may give their **suggestion/inputs/comments** related to project report. The same tasks can also be performed from HOD/Principal's account.
- Based on the inputs from internal guide/HOD/Principal student team has to take necessary action.
- External guide and External mentor can also comment on this activity.


PROCEED

---

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# GTU Innovation Council

## 3. Click on Comment Link to comment your students activity

GTU - Project Monitoring and Mentoring SystemWelcome Dhvani  
Sign Out  
[Share your Feedback](#)

---

[My Account](#) [External Guide](#)

---

### Plagiarism Report

**Discipline :**  **Semester :**

**Enrollment No :**

[SEARCH](#)

#### List of Plagiarism Report

Sr. No	Team ID	Project Title	College	Department	Plagiarism Tools	Plagiarism Percentage (%)	Name of Website	Last Modified Date	Last Modified By	Status	Download	Action
1	14442	Auto Run Scans To Check For Cloud Services	Shantilal Shah Engineering College, Bhawanagar	Production Engineering	Plagiarisma Net	21	Plagiarisma.Net Plagiarism Checker	12-07-2016	Shingala Hrenkumar Vinubhai	Submitted	<a href="#">Download</a>	<a href="#">Comment</a>



---

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# GTU Innovation Council

4. Comment on respective Activity
5. Click **SUBMIT COMENTS** Button to respectively comment the desired activity

The screenshot displays the 'GTU - Project Monitoring and Mentoring System' interface. At the top, there are logos for GTU and the system, along with user information: 'Welcome Dhvani', 'Sign Out', and 'Share your Feedback'. Below this is a navigation bar with 'My Account' and 'External Guide' links. The main content area is titled 'Plagiarism Report Details' and contains the following information:

<b>College :</b>	Shantil Shah Engineering College, Bhavnagar	<b>Discipline :</b>	BE
<b>Department :</b>	Production Engineering	<b>Semester :</b>	Semester 7
<b>Project Title :</b>	Auto Run Scans To Check For Cloud Services.		
<b>Team ID :</b>	14442		
<b>WebsiteName:</b>	Plagiarisma Net Plagiarism Checker	<b>Web Site :</b>	http://plagiarisma.net
<b>Plagiarism Percentage:</b>	21	<b>Unique Plagiarism Percentage:</b>	21
<b>Last Modified Date:</b>	13-07-2016	<b>Last Modified By:</b>	Shingala Hirenkumar Virubhai
<b>Status:</b>	Submitted		

Below the report details is a 'Comments' section. It features a text input field with a placeholder 'COMENT' and a red circle with the letter 'D' overlaid on it. Below the input field is a 'Note' section with the following text:

**Note:**  
**Comment:** If you click on comment (as per your observations) then it means, student will respond specific to the comment. And so student **CAN** further modify the details, and after which faculty has to **REVIEW** the changes as made by students.  
**Review:** If you click on review, then it means you are satisfied with the report and hence it will be finally submitted to university. **NO** further modification will be possible thereafter.

At the bottom of the comments section is a blue button labeled 'SUBMIT COMMENTS' with a red circle and the letter 'E' overlaid on it. A 'BACK' button is also visible at the bottom right of the comments section. The footer of the page reads '© Gujarat Technological University. All Rights Reserved.'

# GTU Innovation Council

## 7. Project Report

1. Go to Plagiarism Report tab from External Guide menu as shown in below screen.

The screenshot shows the GTU PMMS External Guide interface. At the top, there is a header with the GTU logo, the text "GTU - Project Monitoring and Mentoring System", and a globe icon. On the right, it says "Welcome Dhvani", "Sign Out", and "Share your Feedback". Below the header is a blue navigation bar with "My Account" and "External Guide". The "External Guide" menu is open, showing options: "Check Activity Status", "Report & Summary", "Periodic Progress Report (PPR)", "Design Engineering Canvas", "PSAR", "Plagiarism Report", and "Project Report". The "Plagiarism Report" option is highlighted with a red box and a red circle containing the letter 'A'. Below the menu, there is a "Note" section and a table for "Team Registration Analysis".

Activity	Approved
Total number of team/Projects	0

(2) Student Activity

## 2. Read Instructions and Guidelines and Click PROCEED button



GTU - Project Monitoring and Mentoring System



Welcome Dhwani  
Sign Out  
Share your Feedback

[My Account](#) [External Guide](#)

### Project Report

**Project Report** - It is required to be a report of the work, done by the team of students during the academic semester/year. The Report is to be submitted whether the project has been completed successfully or the work is going to be carried out by next semester/year students.

[Guidelines for Final Year Project Report format is available in GTU Guideline for PMMS activities](#)  
(Refer Page No 22-24) for Project Report Activity)

**Note:**

- The format given in above document is a sample format, any college may amend this format based on the need, but it is to be ensuring that all items listed to that format must be included in project report.
- The project report copy which is to be uploaded on PMMS portal, need to include above items.
- No student/college has to submit any hard bound project copy/CD to GTU, as GTU will receive the data from student's profile in PMMS portal. Every College may preserve project data of all students/teams in a soft copy on a CD rom for further record.
- Students who are working on projects related to Vishwakarma Yojana, have to work as per instruction from their guide to cover all project activities.

**Role of Internal Guide/EG/HOD/Principal:**

- Make students aware about the objective of this activity.
- Internal guide must has to verify the uploaded project report file related to individual teams activity/project. Faculty may give their suggestion/inputs/comments related to project report. The same tasks can also be performed from HOD/Principal's account.
- Based on the inputs from internal guide/HOD/Principal student team has to take necessary action.
- External guide and External mentor can also comment on this activity.

Review the uploaded project report files as submitted by student teams, give your Review/Comments and submit the feedback form.

 [PROCEED](#)

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# GTU Innovation Council

## 3. Click on Comment Link to comment your students activity

GTU - Project Monitoring and Mentoring System

Welcome Dhvani  
Sign Out  
Share your Feedback

My Account External Guide

Project Report

Discipline : All Semester : Select

Enrollment No :

SEARCH

List of Project Report

Sr. No	Team ID	Project Title	College	Department	Last Modified Date	Last Modified By	Status	Download	Action
1	14442	Auto Run Scans To Check For Cloud Services	Shantilal Shah Engineering College, Bhavnagar	Production Engineering	12-07-2016	Shingala Hrenkumar Vinudhai	Submitted	Download	Comment

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# GTU Innovation Council

4. Comment on respective Activity
5. Click **SUBMIT COMENTS** Button to respectively comment the desired activity

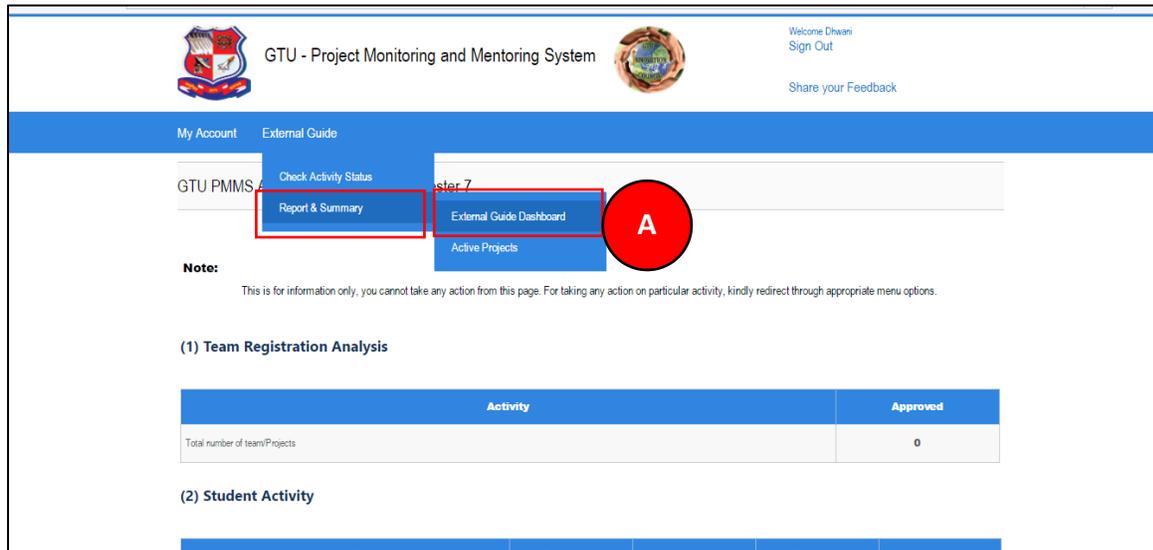
The screenshot displays the 'GTU - Project Monitoring and Mentoring System' interface. At the top, there are logos for GTU and the system, along with user information: 'Welcome Dhvani', 'Sign Out', and 'Share your Feedback'. Below this is a navigation bar with 'My Account' and 'External Guide' links. The main content area is titled 'Project Report Details' and contains the following information:

<b>College :</b>	Shantilal Shah Engineering College, Bhavnagar	<b>Department :</b>	Production Engineering
<b>Discipline :</b>	BE	<b>Semester :</b>	Semester 7
<b>Project Name :</b>	Auto Run Scripts To Check For Cloud Services.		
<b>Team ID :</b>	14442		
<b>GTU Patent Clinic Program :</b>	Yes		
<b>Last Modified Date:</b>	12-07-2016	<b>Crowdfunding Initiator (CFI) :</b>	No
<b>Status:</b>	Submitted	<b>Last Modified By:</b>	Shingala Hirenkumar Vinubhai

Below the project details is a 'Comments' section. It features a text input field with a placeholder '[COMMENT]' and a 'SUBMIT COMMENTS' button. A red circle with the letter 'D' is placed over the input field. Below the input field, there is a 'Note' section with two paragraphs explaining the 'Comment' and 'Review' actions. A red circle with the letter 'E' is placed over the 'SUBMIT COMMENTS' button. At the bottom right of the comments section is a 'BACK' button. The footer of the page reads '© Gujarat Technological University. All Rights Reserved.'

## 8. External Guide Dashboard

1. Go to External Guide Dashboard tab from External Guide menu as shown in below screen.



## 2. Dashboard will be displayed



GTU - Project Monitoring and Mentoring System



Welcome Dhvani  
Sign Out

Share your Feedback

[My Account](#)   [External Guide](#)

GTU PMMS Activity Dashboard for Semester 7

**Note:**  
This is for information only, you cannot take any action from this page. For taking any action on particular activity, kindly redirect through appropriate menu options.

**(1) Team Registration Analysis**

Activity	Approved
Total number of team/Projects	0

**(2) Student Activity**

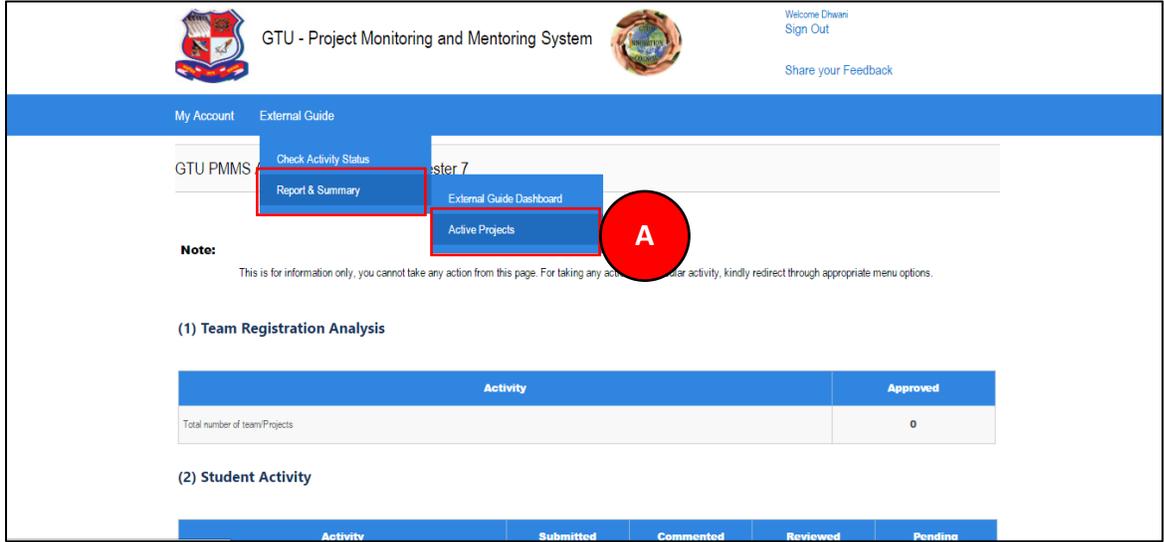
Activity	Submitted	Commented	Reviewed	Pending
Periodic Progress Report 1 (PPR 1)	0	0	0	0
Periodic Progress Report 2 (PPR 2)	0	0	0	0
Periodic Progress Report 3 (PPR 3)	0	0	0	0
Periodic Progress Report 4 (PPR 4)	0	0	0	0
Patent Search And Analysis Report 1 (PSAR 1)	0	0	0	0
Patent Search And Analysis Report 2 (PSAR 2)	0	0	0	0
Patent Search And Analysis Report 3 (PSAR 3)	0	0	0	0
Patent Search And Analysis Report 4 (PSAR 4)	0	0	0	0
Patent Search And Analysis Report 5 (PSAR 5)	0	0	0	0
Design Engineering Canvas (DEC)	0	0	0	0
Project Report	0	0	0	0
Plagiarism Search Report	0	0	0	0

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# GTU Innovation Council

## 9. Active Projects

1. Go to Active Projects tab from External Guide menu as shown in below screen.



# GTU Innovation Council

## 2. Click on View Details Link to view your students team profile

GTU - Project Monitoring and Mentoring System

Welcome Akhand Singh  
Sign Out  
Share your Feedback

My Account External Guide

Active Projects

Discipline : All Semester : Select

Enrollment No :

SEARCH

List of Active Projects

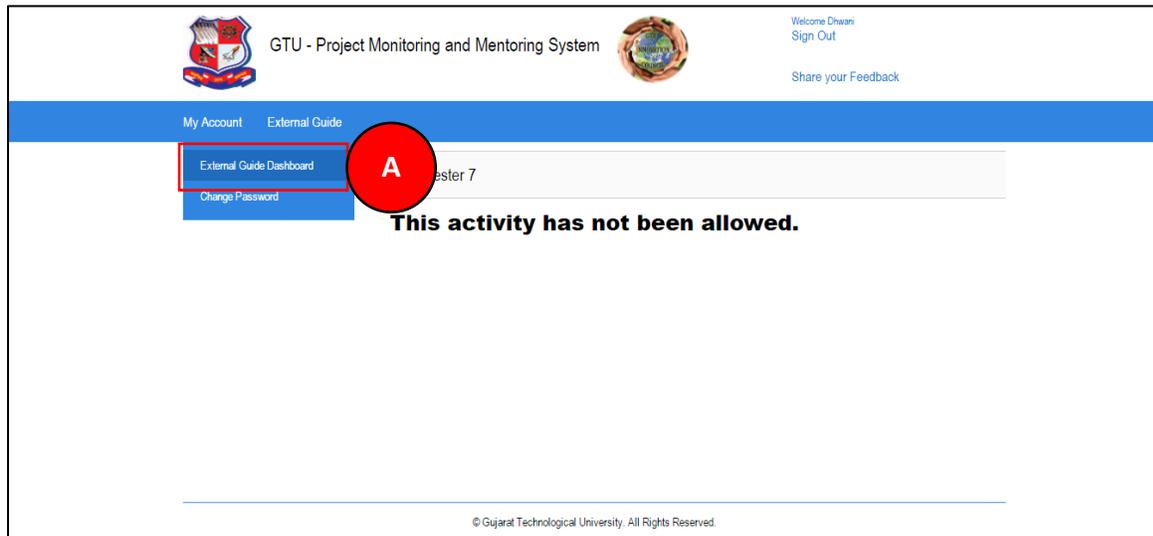
Sr. No	Enrollment Number	Team ID	Team Leader	Team Members	Project Title	Status	Action
1	130560109051	56813	Patel Yogeshkumar Dineshbhai	Patel Parth Kavshikkumar Bhagora Umeshkumar Kantilal Chauhan Prituansh Rajuansh	A SOLAR PANEL AUTOMATIC TRACKING SYSTEM AND MEASUREMENTS OF ELECTRICAL PARAMETERS	Approved	<a href="#">View Details</a>

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## BE 8 semester

### 10. External Guide Dashboard

1. Go to External Guide Dashboard tab from My Account menu as shown in below screen.



## 2. Dashboard will be displayed

GTU - Project Monitoring and Mentoring SystemWelcome Dhvani  
Sign Out  
[Share your Feedback](#)

---

[My Account](#) [External Guide](#)

---

### GTU PMMS Activity Dashboard for Semester 8

**Note:**  
This is for information only, you cannot take any action from this page. For taking any action on particular activity, kindly redirect through appropriate menu options.

**(1) Team Registration Analysis**

Activity	Approved
Total number of teamProjects	0

**(2) Student Activity**

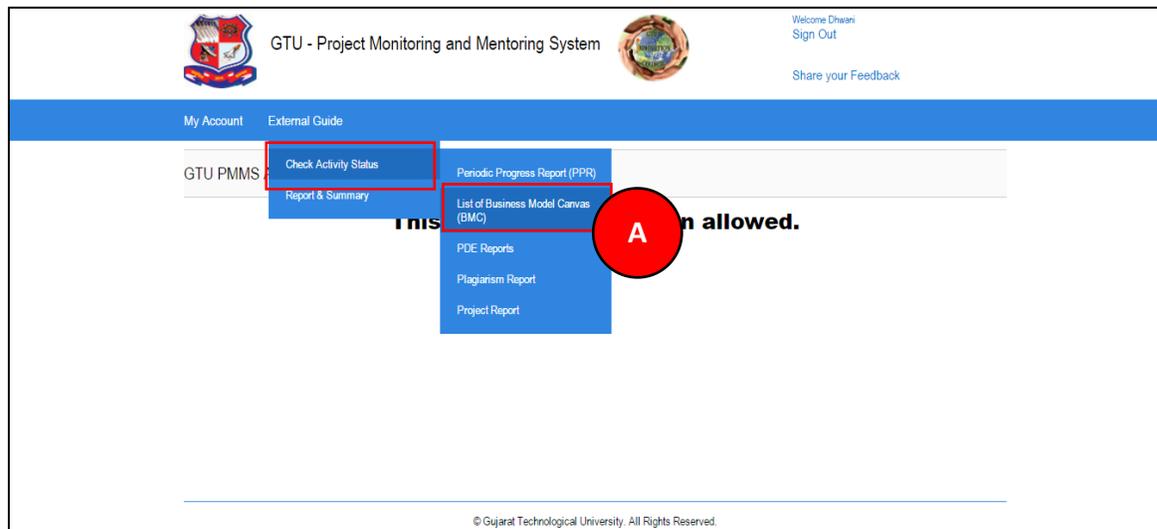
Activity	Submitted	Commented	Reviewed	Pending
Periodic Progress Report 1 (PFR 1)	0	0	0	0
Periodic Progress Report 2 (PFR 2)	0	0	0	0
Periodic Progress Report 3 (PFR 3)	0	0	0	0
Periodic Progress Report 4 (PFR 4)	0	0	0	0
Business Model Canvas (BMC) Image	0	0	0	0
Business Model Canvas (BMC) Report	0	0	0	0
Patent Drafting Exercise (PDE)	0	0	0	0
Project Report	0	0	0	0
PlagiarismSearch Report	0	0	0	0

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## 11. List of Business Model Canvas (BMC)

1. Go to List of Business Model Canvas (BMC) tab from External Guide menu as shown in below screen.



# GTU Innovation Council

2. Click on Search Button

3. Click on Comment Link to comment your students activity

GTU - Project Monitoring and Mentoring System

Welcome Dhwani  
Sign Out

Share your Feedback

My Account External Guide

List of Business Model Canvas (BMC)

Discipline: All Semester: Select

Enroll:

**B**

List of Business Model Canvas (BMC)

Sr. No	Team ID	Project Title	College	Department	Status	Last Modified Date	Last Modified By	BMC file	BMC Report	Action
1	14445	Research Agenda In Cloud Technologies	Shantlal Shah Engineering College, Bhavnagar	Production Engineering	Submitted	14-07-2016	Shingala Hirenkumar Vinubhai	Download	Download	<b>C</b> Comment

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# GTU Innovation Council

4. Comment on respective Activity
5. Click **SUBMIT COMMENTS** Button to respectively comment the desired activity

The screenshot displays the 'GTU - Project Monitoring and Mentoring System' interface. At the top, there is a navigation bar with 'My Account' and 'External Guide' links. The main content area is titled 'Business Model Canvas Details' and contains the following information:

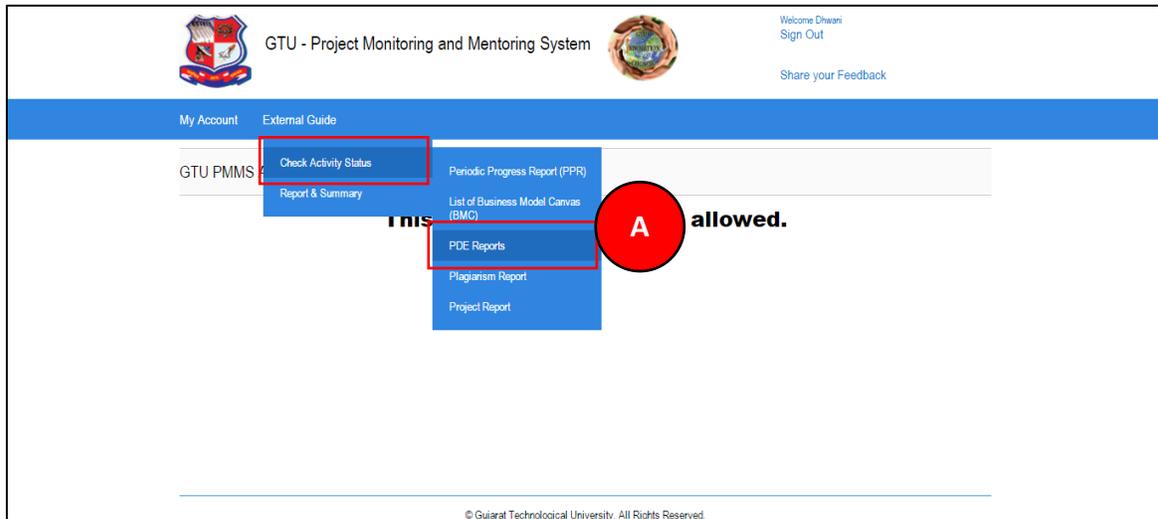
College :	Shantilal Shah Engineering College, Bhavnagar	Discipline :	BE
Department :	Production Engineering	Semester :	Semester 8
Project Name :	Research Agenda In Cloud Technologies		
Team ID :	14446		
Last Modified Date :	14-07-2016	Last Modified By :	Shingala Hrenikumar Vinubhai
Status :	Submitted		

Below the details is a 'Comments' section. It features a text input field labeled 'Comments by External Guide' with a red circle 'D' overlaid on it. A 'Note' section explains the workflow: clicking on a comment means the student will respond specifically to that comment, and the student can further modify the details, after which the faculty has to REVIEW the changes. Clicking on 'Review' means the student is satisfied with the work and it is finally submitted to the university, with no further modifications possible. A red circle 'E' is overlaid on the 'SUBMIT COMMENTS' button. There are also 'BACK' buttons at the top right and bottom right of the details section.

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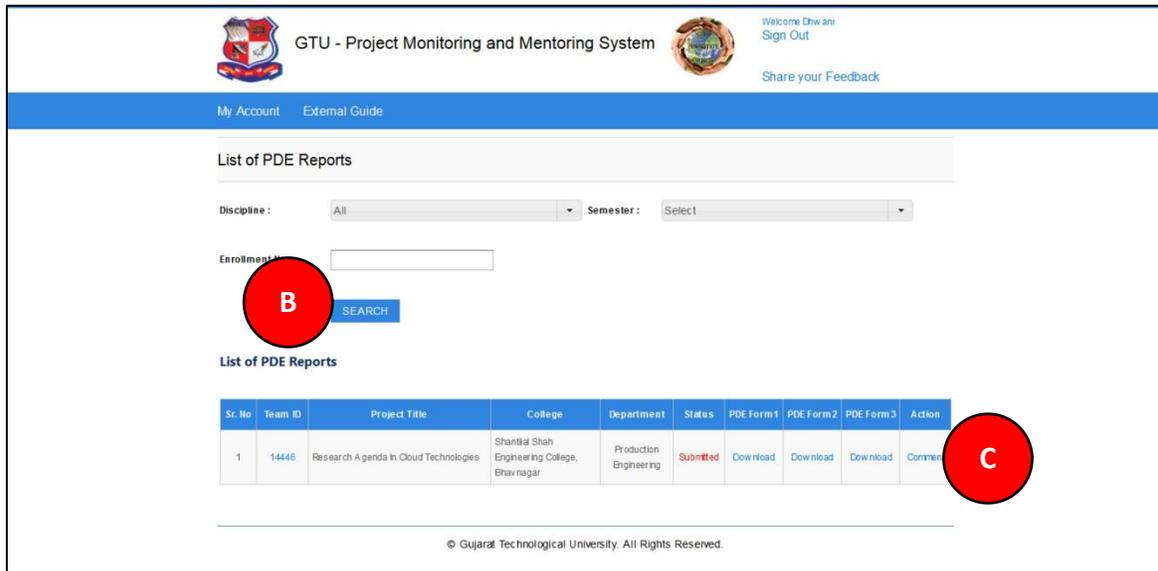
## 12. PDE Reports

1. Go to List of PDE Reports tab from External Guide menu as shown in below screen.



# GTU Innovation Council

## 2. Click on Comment Link to comment your students activity



GTU - Project Monitoring and Mentoring System

Welcome Dhwani  
Sign Out

Share your Feedback

My Account External Guide

List of PDE Reports

Discipline : All Semester : Select

Enrollment No.

**B** SEARCH

List of PDE Reports

Sr. No	Team ID	Project Title	College	Department	Status	PDE Form 1	PDE Form 2	PDE Form 3	Action
1	14446	Research A genda In Cloud Technologies	Shantlal Shah Engineering College, Bhavnagar	Production Engineering	Submitted	Download	Download	Download	Comment <b>C</b>

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3. Comment on respect Activity
4. Click **SUBMIT COMMENTS/REVIEW** Button to respectively comment/review the desired activity

GTU - Project Monitoring and Mentoring System

Welcome Dr. Arun  
 Sign Out

My Account
External Guide
Share your Feedback

**PDE Review**

**College :** Shantlal Shah Engineering College, Bhavnagar

**Department :** Production Engineering

**Project Name :** Research Agenda in Cloud Technologies

**Team ID :** 14446

**Status :** Submitted

**Discipline :** DE

**Semester :** Semester 6

BACK

**Form 1 – APPLICATION FOR GRANT OF PATENT**

**Applicants :**

Sr. No.	Name	Nationality	Address	Mobile No.	Email Id
1	Shingals Hiransumar Vrushali	Indian	Production Engineering Shantlal Shah Engineering College, Bhavnagar Gujarat Technological University.	9727745175	nrtn@gtu.edu.in
2	Mr. Dhruv Singhani	Indian	Shivasthi Plaza, Paldi Vasna	979954455	dhruvsh@gtu.edu.in

**Inventors :**

Sr. No.	Name	Nationality	Address	Mobile No.	Email Id
1	Shingals Hiransumar Vrushali	Indian	Production Engineering Shantlal Shah Engineering College, Bhavnagar Gujarat Technological University.	9727745175	nrtn@gtu.edu.in
2	Mr. Arun Patel	Indian	L.D. College of Engineering, University Area, Ahmedabad, Gujarat 380015.	655455455	arun@gtu.edu.in

**I/We, the applicant(s) hereby declare(s) that:**

- (a) Provisional specification/Complete specification
- (c) Drawings (in confirmation with the international application/as amended before the international Preliminary Examination Authority (IPA), as applicable (2 copies) file of state.
- (f) Statement and undertaking on Form 3

**Following are the attachments with the applications :**

- I am/We in possession of the above mentioned invention.
- The provisional/complete specification relating to the invention is filed with this application.
- I am/We are the proprietor or the legal representative of true & first inventor.

**Form 2 – PROVISIONAL/COMPLETE SPECIFICATION**

**1. Title of the project/invention :**  
Research Agenda in Cloud Technologies

**2. Preamble to the description :**  
Provisional

**3. Description**

**a) Field of Project / Invention / Application :**  
The public Infrastructure-as-a-Service (IaaS) cloud industry has reached a critical mass in the past few years, with many cloud service providers fielding competing services. Despite the competition, some of the security mechanisms offered by the services to be similar, indicating that the cloud industry has established a nucleus of "best practices" while other security mechanisms vary widely, indicating that there is also still room for innovation and experimentation. This paper investigates these differences and possible underlying reasons for it. It also compares the security mechanisms offered by public IaaS cloud offerings with security mechanisms proposed by academics over the same period.

**b) Prior Art / Background of the Project / Invention :**  
The paper presents A-RECORD, the first system that can automatically uncover the semantics of kernel objects directly from a kernel binary. Based on the premise of data use reveals data semantics, it starts from the execution of system calls (i.e., the user level application interface) and exported kernel APIs (i.e., the kernel module dependent interface), and automatically tracks how an instruction accesses the kernel object and assigns a bit-vector for each observed kernel object. This bit-vector encodes which system call accesses the object and how the object is accessed (e.g., read, write, create, delete), from which we derive the meaning of the kernel object based on a set of rules developed according to the general understanding of OS kernels.

**c) Summary of the Project / Invention :**  
Cloud computing is the latest effort in delivering computing resources as a service. It represents a shift away from computing as a product that is purchased, to computing as a service that is delivered to consumers over the internet from large-scale data centres – or "clouds". Whilst cloud computing is gaining growing popularity in the IT industry, academics appeared to be lagging behind the rapid developments in this field. This paper is the first systematic review of peer-reviewed academic research published in this field, and aims to provide an overview of the swiftly developing advances in the technical foundations of cloud computing and their research efforts. Structured along the technical aspects on the cloud agenda, we discuss lessons from related technologies, advances in the introduction of protocols, interfaces, and standards, techniques for modeling and testing clouds, and new use-cases arising through cloud computing.

**d) Objects of Project / Invention :**  
Cloud computing has recently reached popularity and developed into a major trend in IT. While industry has been pushing the Cloud research agenda at high pace, academics has only recently joined, as can be seen through the sharp rise in workshops and conferences focussing on Cloud Computing. Lately, these have brought out many peer-reviewed papers on aspects of cloud computing, and made a systematic review necessary, which seeks to summarise the research done and assess the resulting research agenda. We performed such a systematic review of all peer-reviewed academic research on cloud computing, and explain the technical challenges facing in this paper.

**e) Drawings :**

**f) Description of Project / Invention : (Full detail of project) :**  
This paper surveyed the existing literature using a principled and systematic approach, we searched each of the major research databases for computer science, the ACM Digital Library, IEEE Xplore, SpringerLink, ScienceDirect and Google Scholar. For the following keywords: cloud computing, elastic computing, utility computing, Infrastructure as a Service, IaaS, Platform as a Service, PaaS, Software as a Service, SaaS, Everything as a Service, XaaS. The date range for this search was limited from 2005 until October 2009. This date range was chosen because this survey work was commenced in October 2009, and because all public clouds were launched after 2005. For example, Amazon first launched EC2 (Elastic Compute Cloud) in August 2006 and Google launched App Engine in April 2008. According to Google Trends, the term cloud

**g) Examples :**

**h) Claims (Not required for Provisional Applications) / Unique Features of Project**

This review surveyed the existing literature using a principled and systematic approach, we searched each of the major research databases for computer science, the ACM Digital Library, IEEE Xplore, SpringerLink, ScienceDirect and Google Scholar. For the following keywords: cloud computing, elastic computing, utility computing, Infrastructure as a Service, IaaS, Platform as a Service, PaaS, Software as a Service, SaaS, Everything as a Service, XaaS. The date range for this search was limited from 2005 until October 2009. This date range was chosen because this survey work was commenced in October 2009, and because all public clouds were launched after 2005. For example, Amazon first launched EC2 (Elastic Compute Cloud)

**4. Claims**

**5. Date and signature**

**6. Abstract of the project / invention :**  
This paper surveys the emerging paradigm of cloud mobile media. It discusses two alternative perspectives for cloud mobile media networks: an end-to-end view and a layered view. Summaries of existing research in this area are organized according to the layered service framework.

**Comments**

Comments by External Guide

**Comment :** If you click on comment (as per your observations) then it means, student will respond according to the comment. And so student CAN further modify the details, and after which faculty has to REVIEW the changes as made by student.

**Review :** If you click on review, then it means you are satisfied with the work of student and hence, you will not be submitting to university. NO further modification will be possible thereafter.

SUBMIT COMMENTS
BACK

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PMMS – User Manual for External Guide

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