

To,
The Head of Department
Chemical Technology-Oil Technology
School of Chemical Technology
H.B.T.U. Kanpur

Date: 19.09.2023

Subject: Regarding permission for project proposal entitled "Extraction of Essential Oils from different feed-stocks"

Respected Sir,

We, the students of Third B. Tech. Chemical Technology-Oil Technology, Sonika Sisodiya, Khushbu Sahu, and Varun Balaji Shukla, wish to inform you that we are interested to perform a **minor project** entitled "**Extraction of Essential Oils from different feed-stocks**" under the guidance of **Mr. Gaurav Singh, Assistant Professor, Chemical Technology-Oil Technology** and **Prof. R. K. Trivedi, Visiting Professor, Chemical Technology-Oil Technology**. The proposal of the project is enclosed here with for your kind perusal.

We request you to provides us the financial support of rupees 5850.00. I am looking forward to your positive response.

Thanking you

Yours sincerely,

Sonika
(**Sonika Sisodiya**)
Third Year B. Tech. Chemical Technology-Oil Technology

Khushbu
(**Khushbu Sahu**)
Third Year B. Tech. Chemical Technology-Oil Technology

Varun
(**Varun Balaji Shukla**)
Third Year B. Tech. Chemical Technology-Oil Technology

DSOCT | Registrar, HBTU, Kanpur

Ref.No - 206/OT/HOD/2023
Date - 21/09/2023

May like to permit the financial assistance as requested by the students to perform live project in the department lab.

forwarded

Recd
21.9.23 (ASOCT)

P.T. O

Dr. P. K. Singh
Head of Department
Department of Oil Technology

27.09.23 P.C.
REGISTRAR

AA

विशेष विज्ञापन

AA

28/9/23

सम्मान पूर्वक यह पत्र प्रकाशित कर जानकारी देना है कि
आपको (आपके) द्वारा B.Tech Project कार्य हेतु ₹ 50,50.00 का व्यय आयोगित प्रस्तुत किया
गया है। B.Tech Project कार्य हेतु मात्र ₹ 50,000/-
के अन्तर्गत व्यय है। ₹ 50,000/- की सीमा तक
व्यय हेतु अनुमति विचारार्थ प्रस्तुत

सिप (सिप) /
[Signature]

03/10/23
[Signature]
Acctt Accountant

06/10/2023
F.A.O.

07/10/2023
PC
वित्त नियन्त्रक

वित्त एवं लेखाधिकारी

माओ कुलपति

Approved

ACC HOD (Chemical)

[Signature]
कुलपति
हरकोर्ट बटलर प्राविधिक विश्वविद्यालय
कानपुर-2

Forwarded
HOD (OT)

Ashish Katar
30/10/23

14CC/Chem.Egg/23
31/10/2023

Mr. Gaurav Singh / Prof. R.K. Trivedi
for n.a. pl. [Signature]
31/10/2023

A
Project Proposal
on
Extraction of Essential Oil from different feed-stocks

Submitted To:

Department of Oil Technology
School of Chemical Technology

Submitted By:

SONIKA SISODIYA , III OT, ROLL NO. 210111044

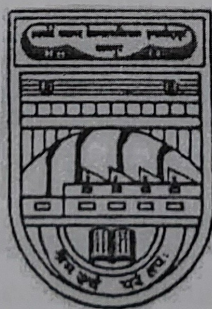
KHUSHBU SAHU, III OT, ROLL NO. 210111021

VARUN BALAJI SHUKLA, III OT, ROLL NO. 210111046

UNDER THE GUIDANCES OF

Prof. Rakesh K. Trivedi

Mr. Gaurav Singh



DEPARTMENT OF OIL TECHNOLOGY, SCHOOL OF CHEMICAL TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY KANPUR – 208002 (INDIA)
SESSION 2023-2024

**HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR -208002
(FORMERLY H. B. TECHNOLOGICAL INSTITUTE)**

Project Title: Extraction of essential oil from different feedstocks

Name of students involved in the project:

Sonika Sisodiya (210111044)

Khushbu Sahu (210111021)

Varun Balaji Shukla (210111046)

Introduction:

Unlocking Nature's Fragrance - Essential Oil Extraction from Flowers

In a world that increasingly values natural and sustainable products, our project, "Essential Oil Extraction from Flowers," embarks on a journey to harness the exquisite scents and wellness benefits locked within nature's most delicate blooms. The allure of floral fragrances transcends generations and cultures, and with the rising demand for botanical-based remedies and aromatherapy, the timing for this project couldn't be more opportune. Our mission is to delve into the heart of blossoms, unlock their aromatic treasures, and present them in their purest form.

Objective:

Extraction of essential oils from lemon grass, mint, flowers (roses) and cucumber

Methodology:

Research and Selection of Flowers: To identify and select flowers for essential oil extraction, considering factors like fragrance, oil yield, and sustainability.

Extraction Process Development: To develop and optimize a feasible extraction method, which may include steam distillation, cold-press extraction, or solvent extraction, depending on the flower type.

Quality Control: To establish quality control measures to ensure the purity and consistency of the extracted essential oils.

Cost Analysis: To calculate production costs, including flower acquisition, and extraction.

Sonika

Khushbu

Varun

Work Plan:

Sr. No	Plan	Time required (days)
1	Review of literature survey.	4 - 5
2	Flowers sample collection	8 - 9
3	Implementation and analyze performance	30

Budget:

Sr. No	Raw Materials	Quantity	Tentative Cost (Rs.)
1	Rose	15 kg	200 per kg
2	Lemon Grass	15 kg	150 per kg
3	Cucumber	15 kg	40 per kg
Total Cost			Rs. 5,850

Name and signature of Students:

Sonika
11/09/2023
(Sonika Sisodiya)

Khushbu
(Khushbu Sahu)

Varun
(Varun Balaji Shukla)

Name and signature of Guides:

Rakesh K. Trivedi
(Prof. Rakesh K. Trivedi)

Gaurav Singh
11/09/2023
(Mr. Gaurav Singh)

HOD, OT,

संलग्न बिल का सत्यापन एवं प्रवेष्ट कर दी गयी है।

Vineela
06/04/2024

Finance Controller.

forwarded for further necessary action at
your end.

Dr. P.K.S. Yadav

06/04/2024

Dr. P.K.S. Yadav
Head of Department
Department of Chemical Technology
School of Chemical Technology
H.B.T.U., Kanpur

MISS
08/04/2024
PC

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संलग्न उपरोक्त प्रताक का आवेदन करने का मसौदा
प्रताक प्रताक प्रस्तुत किया जा रहा है किशकिदालन विपणन
अधिकतम ₹100000.00 प्रति वर्ष/प्रति केलेली के मसौदा
प्रताक प्रस्तुत है ₹100000.00 के प्रताक है किपिन लेन
चाहें।

Feid
06/04/2024
मा० कुलपति

08/04/24
PC

09/04/2024
PC
वित्त नियंत्रक

Passed for Payment of ₹100000.
(Ten thousand only)

JAM

PC

A: Approval

PC

9/4
कुलपति
हरमोर्ट बटलर प्राविधिक विश्वविद्यालय
कानपुर-2