



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்  
TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
(Established by Government of Tamilnadu)

Directorate of Technical Education Campus, Chennai – 600 025  
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Dr.R.Srinivasan, M.Sc., Ph.D., F.I.C.S., M.A.C.S.(USA),  
Member Secretary

Lr.No.TNSCST/SPS/2021-2022/

11.03.2022

To  
The Principal  
SSM Institute of Engineering and Technology  
Dindigul-624002.

Sir/Madam,

Sub: TNSCST – Student Project Scheme (2021-2022) – approval intimation–grant release- reg.

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With respect to the above scheme, the list of projects approved by the State Council is enclosed along with terms and conditions. You are requested to adhere to terms and conditions such as submission of UC and seminar paper in time.

No	Guide Name and Institutional Address	Title of the Project	Students Name	Project Code	Amount
1	Mr.D.Manoj Assistant Professor, Department of EEE SSM Institute of Engg and Tech., Dindigul-624002	High efficiency wireless power transfer systems for electric vehicle applications	K.Vigneshwaran, P.Ramkumar, K.Thanuj, J.Viswakshenan	EEE-1544	7500/-
2	Dr.Dharmogharan.S Assistant Professor, Department of Electronics and Communication Engineering SSM Institute of Engg and Tech., Dindigul-624002	Design of menstrual cycle calculator app with gynae bot interface using react native frame work	R.Madhumitha, C.N.Nalli Sneha, M.Keerthana, M.Priyadharshini	CSE-0231	7500/-
3	Dr.V.Kandavel Associate Professor, Dept. of Mechanical Engineering SSM Institute of Engg and Tech., Dindigul-624002	Investigate the mechanical properties of e-glass fibre & s-glass fibre reinforced with polymer matrix composites	Adithyan.B Afzal Ibrahim.M Aktharali.S Anand Albert Raja.A	EME-0388	7500/-

Herewith enclosed the cheque for the approved grant and disburse the grant to the concerned students through the guides at the earliest.

Kindly send the utilisation certificate (format enclosed) and seminar paper (Ref.T&C-No.5&6) on completion of the project.

Thanking you,

Yours faithfully,

Member Secretary

*(Signature)*

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (P.O.),  
Palani Road, Dindigul - 624 002

Enc: a) Terms & Conditions (T&C)

b) Format of Utilisation Certificate (UC)

c) Cheque for Rs. 22,500/- No.409455 dt:11.03.2022

Copy to: The individual guides



## TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

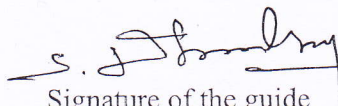
DOTE CAMPUS, CHENNAI - 600 025

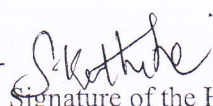
## STUDENT PROJECT SCHEME 2022-2023

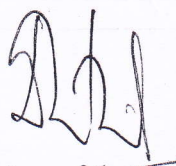
## UTILISATION CERTIFICATE

1. Name of the guide and address : Dr.S.Dhamodhara, Assistant Professor,  
Department of ECE, SSM Institute of Engineering  
and Technology, Dindigul-624 002.
2. Name of the student(s) : R.Madhumitha  
C.N Nalli Sneha  
M.Keerthana  
M.priyatharshini
3. Title of the project : Design of mensural calculator app with gynae bot  
interface using react native frame work
4. Project code : CSE - 231

It is certified that a sum of Rs 7,500/- (Rupees Seven Thousand and Five Hundred) Sanctioned by the council for carrying out above mentioned student project has been utilized for the purpose for which it was sanctioned and sum of Rs. 0/- remaining unutilized is refunded.

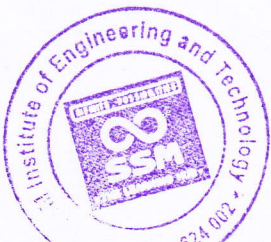
 Signature of the guide

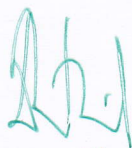
 Signature of the HOD

 Signature of the

REGISTRAR/PRINCIPAL/DEAN

with seal



  
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**TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**

DOTe Campus, Chennai-600025

**STUDENT PROJECTS SCHEME**

**Proposals for 2021-2022**

([www.tansest.nic.in](http://www.tansest.nic.in))

**DESIGN OF MENSTRUAL CYCLE CALCULATOR APP WITH GYNAEBOT  
INTERFACE USING REACT NATIVE FRAMEWORK**

SUBMITTED BY

**MADHUMITHA.R**

**NALLI SNEHA.C.N**

**PRIYADHARSHINI.M**

**KEERTHANA.M**

**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**

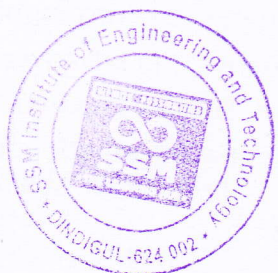
**Dindigul-624002**

**The Member Secretary,**

**Tamil Nadu State Council for Science and Technology,**

**DOTe Campus,**

**Chennai - 600 025**



**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (MSS)**  
**Principal**  
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# DESIGN OF MENSTRUAL CYCLE CALCULATOR APP WITH GYNAEBOT INTERFACE USING REACT NATIVE FRAMEWORK

## ABSTRACT :


The developing use of technology and applications for health and wellness tracking presents an opportunity for expansion and advancement in women's reproductive health tracking. Through current ovulation tracking application analysis, interviews, and surveys, this project explores the requirements for an effective ovulation tracking application. The three major features found to be fundamental for a successful ovulation tracking application were discreetness, customization, and content. Based on these findings, this app was developed directly derived from the mentioned features by using react native framework

Keywords: Menstrual tracking; Experience Design; Digital Women's Health; User-Centred Design; Data presentation; Social Taboos

## 1. INTRODUCTION:

As mobile applications become progressively intertwined into people's everyday routine, they have the potential to improve our standard of living. Any smartphone user can now check the weather, count their steps, record their voice to text, and an endless number of other technological feats at their own convenience. One dimension of this new and increasingly available technology is health and wellness tracking; it is becoming not only effortless, but also encouraged to follow one's physical health through technology. For example, there are applications that monitor the users heart through an EKG accurate monitor strapped to the users. In addition to having the capability to show analysis of the user's heart performance, these applications can also warn users of an impending heart attack or stroke, even days in advance [1]. Through the use and improvement of health and wellness technology, not only do they provide users with more insights about the functionality of their own body but can prevent premature deaths through imminent health danger prediction [1]. However, while tracking socially accepted health indicators (such as heart rate, weight, steps, etc.) are supported and encouraged in most societies, there still is a lack of acceptance and advancement specifically in the tracking of women's reproductive health. Socially stigmatized health indicators such as ovulation and menstruation can be essential information for those



  
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