

***DBT FUNDED STUDENTS' PROJECT***

| Name of the Department                                                                                          | Title of the Project                                       | Name of the Supervisor(s)                                                 | Name of the Students                                                                               | Beneficiaries                                                                          |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>INTER-DEPARTMENTAL</b><br><br><b>(Department of Mathematics &amp; Department of Nutrition and Dietetics)</b> | A case study on the Enablers of the In-Vitro Fertilization | Mrs.S.P.Geetha <b>(Mathematics)</b> & Dr.N.Sabitha <b>(N&amp;D)</b>       | <b>Maths</b><br>D.Santhiya<br>G.Santhya<br>E.Saranya<br>M.Saranya                                  | <b>II B.Sc., Mathematics - 16</b><br><br><b>II B.Sc., Nutrition and Dietetics - 08</b> |
|                                                                                                                 |                                                            |                                                                           | <b>N&amp;D</b><br>A.Afreen Fathima<br>J.Ashmath arsiya                                             |                                                                                        |
|                                                                                                                 | A Delay Differential Equation Modelling for Dengue fever   | Dr.P.Hemalatha <b>(Mathematics)</b> & Dr.N.Maragatham <b>(N&amp;D)</b>    | <b>Maths</b><br>S.Kaviya<br>M.Mathumitha<br>M.K.Monica<br>B.Niveda                                 |                                                                                        |
|                                                                                                                 |                                                            |                                                                           | <b>N&amp;D</b><br>L.Priyadharshini<br>S.Monika                                                     |                                                                                        |
|                                                                                                                 | Applications of Mathematics in Blood circulation           | Mrs.S.Padmavathi <b>(Mathematics)</b> & Dr.T.K.Kousalya <b>(N&amp;D)</b>  | <b>Maths</b><br>P.Poongodi<br>K.Ramya<br>K.S.Ramya<br>R.Reena                                      |                                                                                        |
|                                                                                                                 |                                                            |                                                                           | <b>N&amp;D</b><br>K.Saranya<br>B.Santhiya                                                          |                                                                                        |
|                                                                                                                 | Role of Mathematics in Diabetes Mellitus                   | Dr. P. Shakila Banu <b>(Mathematics)</b> & Dr.S.Anuradha <b>(N&amp;D)</b> | <b>Maths</b><br>K.S.Atchaya<br>S.Brindha<br>M.Buvaneshwari<br>S.Devatharsini                       |                                                                                        |
|                                                                                                                 |                                                            |                                                                           | <b>N&amp;D</b><br>Y.VasuntharaDevi<br>D.Vasuki                                                     |                                                                                        |
|                                                                                                                 | Fourier Series in Electrocardiograph                       | Dr.R.Parvathi                                                             | <b>Maths</b><br>R.Dharani<br>M.Dharanya<br>M.Gayathri<br>J.Shalini<br>M.Shalini<br>R.Shanmugavalli |                                                                                        |

|                                  |                                                   |                   |                                                                                                                                                     |                                           |
|----------------------------------|---------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Department of Mathematics</b> | Differentiation and growth rate of a plant        | Dr.R.Parvathi     | <b>Maths</b><br>M.Dharani<br>T.Dharshieni<br>P.DivyaBharathi<br>R.Saranya<br>A.Shivapriya<br>R.Sivasankari                                          | <b>II B.Sc.,<br/>Mathematics<br/>- 36</b> |
|                                  | Application of Trigonometry in Orthopaedics       | Mrs.S.P.Geetha    | <b>Maths</b><br>S.Gokilavani<br>M.Gomathy<br>V.Gowsalya<br>R.Gowsika<br>P.Harshini<br>U.Ilakia                                                      |                                           |
|                                  | Application of Graph Theory in Landscape Genetics | Dr.P.Hemalatha    | <b>Maths</b><br>R.Nivetha<br>K.Parameshwari<br>G.Pavithra<br>(16.01.1999)<br>G.Pavithra<br>(13.02.1999)<br>K.Pavithra<br>R.Pavithra<br>(30.12.1999) |                                           |
|                                  | Parthenium hysterophorus – Mexican Beetle         | Mrs.S.Padmavathi  | <b>Maths</b><br>K.Varshini<br>P.Vidhiya Pradeepa<br>V.Vikaashini<br>B.Vinodhini<br>M.Vinodhini<br>R.Visali                                          |                                           |
|                                  | Mathematical Model for Bacterial Growth           | Dr.P.Shakila Banu | <b>Maths</b><br>C.Sivaselvi<br>B.Sowndharya<br>P.Sri Sathiya<br>A.Tamil selvi<br>P.Thamilarasi<br>S.Umamaheswari                                    |                                           |

**Number of Interdepartmental Projects : 04**

**Number of Department Projects : 06**