



SHRIMATI INDIRA GANDHI COLLEGE

(Nationally Accredited at “A” Grade (3rd Cycle) by NAAC)

Chatram Bus Stand, Tiruchirappalli – 620002.

1.3.2

Supporting Document for Project work

Biochemistry

I B.Sc., Biochemistry




Dr. V. Suganya, M.Sc., M.Phil., PGDBI, Ph.D.,
Assistant Professor, Department of Biochemistry
Shrimati Indira Gandhi College,
Tiruchirappalli-620 002

CERTIFICATE

This is to certify that the project work entitled “**Comparative analysis amino acid content of kiwi and dragon fruit**” has been carried out by the following students of I B.Sc Biochemistry under my supervision and guidance during the Academic Year 2021-2022.

Register No.	Name of the Student
CB21S055657	Aarthi T
CB21S055659	Hemalatha A
CB21S055660	Jayasree I
CB21S055661	Karthika K
CB21S055662	Malini B


Signature of the Guide


Signature of the Head of the Department

The Head
Dept Of Biochemistry
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.

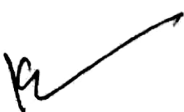



Dr. T. Karpagam, M.Sc., M.Phil., DMLT, Ph.D.
Assistant Professor, Department of Biochemistry
Shrimati Indira Gandhi College,
Tiruchirappalli-620 002

CERTIFICATE

This is to certify that the project work entitled “**Comparative study of lipid content of groundnut and bengal gram**” has been carried out by the following students of I B.Sc Biochemistry under my supervision and guidance during the Academic Year 2021-2022.

Register No.	Name of the Student
CB21S055663	Nandhini Kumari M
CB21S055664	Nathiya B
CB21S055665	Pavithra B
CB21S055666	Rakshana Sri R
CB21S055667	Thenmozhi S
CB21S055667	Yazhini S


Signature of the Guide


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The Head
Dept Of Biochemistry
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.



II B.Sc., Biochemistry



Ms. S. Gomathi, M.Sc., M.Phil.

Assistant Professor, Department of Biochemistry


Shrimati Indira Gandhi College,


Tiruchirappalli-620 002

CERTIFICATE

This is to certify that the project work entitled “**Nutritional analysis of spirulina platensis**” has been carried out by the following students of II B.Sc Biochemistry under my supervision and guidance during the Academic Year 2021-2022.

Register No.	Name of the Student
CB20S055230	Abirami G
CB20S055231	Agalya G
CB20S055232	Alagu Meena C
CB20S055233	Ilakkiya S
CB20S055234	Jannathul Firthous M
CB20S055235	Kavya K
CB20S055236	Nivethitha M


Signature of the Guide


Signature of the Head of the Department

**The Head
Dept Of Biochemistry
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.**



Dr. A. Shanmugapriya, M.Sc., M.Phil., PGDBI, Ph.D.

Assistant Professor, Department of Biochemistry


Shrimati Indira Gandhi College,


Tiruchirappalli-620 002

CERTIFICATE

This is to certify that the project work entitled “A study on BMI for I Biochemistry students” has been carried out by the following students of II B.Sc Biochemistry under my supervision and guidance during the Academic Year 2021-2022.

Register No.	Name of the Student
CB20S055237	Priya P
CB20S055238	Pavithra S
CB20S055239	Punitha S
CB20S055240	Sarojini R
CB20S055241	Sathiyabrintha K
CB20S055242	Thentral M
CB20S055243	Yuvarani N


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Signature of the Head of the Department

The Head
Dept Of Biochemistry
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Tiruchirappalli - 620 002.



III B.Sc., Biochemistry




Ms. P. Anitha, M.Sc., M.Phil., PGDCA
Assistant Professor, Department of Biochemistry
Shrimati Indira Gandhi College,
Tiruchirappalli-620 002

CERTIFICATE

This is to certify that the project work entitled “**Study on menstrual health and hygiene management of women**” has been carried out by the following students of III B.Sc Biochemistry under my supervision and guidance during the Academic Year 2021-2022.

Register No.	Name of the Student
CB19S054601	Abinaya A
CB19S054602	Abirami P
CB19S054603	Chandrika J
CB19S054604	Deepika R
CB19S054605	Dharshini S
CB19S054606	Elakkiya N
CB19S054607	Elamathi P
CB19S054608	Freetha K


Signature of the Guide


Signature of the Head of the Department

The Head
Dept Of Biochemistry
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.



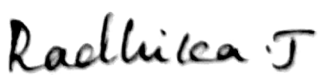
Dr. B. Varalakshmi, M.Sc., M.Phil., B.Ed., Ph.D., SLST.,
Assistant Professor, Department of Biochemistry
Shrimati Indira Gandhi College,
Tiruchirappalli-620 002

CERTIFICATE

This is to certify that the project work entitled “**Antioxidant assay of *Abutilon indicum* and *Paederia foetida***” has been carried out by the following students of III B.Sc Biochemistry under my supervision and guidance during the Academic Year 2021-2022.

Register No.	Name of the Student
CB19S054609	Gayathiri R
CB19S054610	Indumathi N
CB19S054611	Kalaiselvi P
CB19S054612	Kanimozhi A
CB19S054613	Kannika K
CB19S054614	Kaviya M
CB19S054615	Kaviyarasi A
CB19S054616	Keerthana P


Signature of the Guide


Signature of the Head of the Department

The Head
Dept Of Biochemistry
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.



Dr. T. Abarna, M.Sc., M.Phil., Ph.D.

Assistant Professor, Department of Biochemistry


Shrimati Indira Gandhi College,

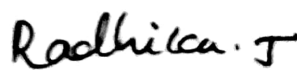
Tiruchirappalli-620 002

CERTIFICATE

This is to certify that the project work entitled “**Analysis of iron and calcium content in moringa oleifera leaves**” has been carried out by the following students of III B.Sc Biochemistry under my supervision and guidance during the Academic Year 2021-2022.

Register No.	Name of the Student
CB19S054617	Maheswari D
CB19S054618	Mamtha C
CB19S054619	Manimegalai K
CB19S054620	Muthamilselvi E
CB19S054622	Nivedha B
CB19S054623	Ranjani S
CB19S054624	Raveena G
CB19S054625	Sathyapriya V


Signature of the Guide


Signature of the Head of the Department

The Head
Dept Of Biochemistry
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.

Dr. R. Manikandan, M.Sc., DMLT, Ph.D.

Assistant Professor, Department of Biochemistry

Shrimati Indira Gandhi College,

Tiruchirappalli-620 002

CERTIFICATE

This is to certify that the project work entitled “**Compare the blood cholesterol level in various age group peoples in our institution**” has been carried out by the following students of III B.Sc Biochemistry under my supervision and guidance during the Academic Year 2021-2022.

Register No.	Name of the Student
CB19S054626	Seethalakshmi C
CB19S054627	Shalini G
CB19S054628	Shanthini K
CB19S054629	Shilpa R
CB19S054631	Suvathi P N
CB19S054632	Swetha G
CB19S054633	Vaishnavi P
CB19S054634	Vijayalakshmi R



Signature of the Guide



Signature of the Head of the Department

The Head
Dept Of Biochemistry
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.



I M.Sc., Biochemistry



Dr. R. Manikandan, M.Sc., DMLT, Ph.D.

Assistant Professor, Department of Biochemistry

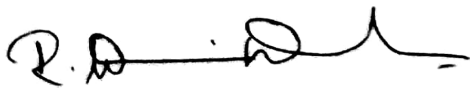
Shrimati Indira Gandhi College,

Tiruchirappalli-620 002

CERTIFICATE

This is to certify that the project work entitled "**Preliminary phytochemical analysis of various plant extracts**" has been carried out by the following students of I M.Sc Biochemistry under my supervision and guidance during the Academic Year 2021-2022.

Register No.	Name of the Student
P21351050	Abinaya M
P21351052	Asha K
P21351053	Kathirmathi V
P21351054	Keerthana R
P21351055	Kiruthika S
P21351056	Saradha Sri V
P21351057	Sridevi R
P21351058	Vinothini P
P21351059	Yasmin M



Signature of the Guide



Signature of the Head of the Department

The Head
Dept Of Biochemistry
Shrimati Indira Gandhi College
Tiruchirappalli - 620 002.



II M.Sc., Biochemistry





BBRC

Biological & Bioinformatics Research Centre

Plot No: 15, Menaga Nagar, No.1 Tolgate, Trichy

CERTIFICATE

This is to Certify that Mrs. C.ARCHANA, (Reg. No: P20351401), Student of Shrimati Indira Gandhi college, Tiruchirappalli, Worked for her project entitled on "SILVER NANOPARTICLE SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF *Trianthema portulacastrum* Linn." in our laboratory, during the period of January 2022-March 2022.

Date: 31.5.2022

Place: Trichy


Director



TRI BIOTECH

Trichy Research Institute of Biotechnology Pvt. Ltd.

TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY PVT. LTD

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✉ contacttrcbt@gmail.com | 🌐 www.trcbt.com

CIN No. : U73200TN2017PTC119075

Dr. E. Angel Jemima., M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

24.05.2022

Thillai Nagar

Certificate of Completion

This is to certify that Ms. ARTHI S. (Reg. No: P20351402) M.Sc., final year student of the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirapalli-620002, has successfully completed her final year research project entitled "*IN VITRO* INHIBITORY EFFECTS OF POLYHERBAL FORMULATION ON VIRULENT GENE EXPRESSION OF BIOFILM FORMING BACTERIA IN *Escherichia coli*" under my guidance and supervision from 10th Feb 2022 to 24th May 2022 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.



Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No 107-D 2nd Floor 9th Cross (East)





BBRC

Biological & Bioinformatics Research Centre

Plot No: 15, Menaga Nagar, No.1 Tolgate, Trichy.

CERTIFICATE

This is to Certify that Ms. R. ASHWITHA, (Reg. No: P20351403), Student of Shrimati Indira Gandhi college, Tiruchirappalli, worked for her project entitled on "*IN VITRO* EVALUATION OF ANTIBACTERIAL, ANTIOXIDANT POTENTIAL AND *IN SILICO* MOLECULAR DOCKING OF *Terminalia chebula*" in our laboratory, during the period of January 2022 - April 2022.

Date:


Director

Place: Trichy





BBRC

Biological & Bioinformatics Research Centre

Rasu Complex, Lalgudi main road, No.1 Tolgate, Trichy.

CERTIFICATE

This is to Certify that Mrs. R. DIVYA, (Reg. No: P20351404), Student of Shrimati Indira Gandhi college, Tiruchirappalli, Worked for her project entitled on **"IN VITRO ANTI DIABETIC ACTIVITY OF CATHARANTHUS ROSEUS AND SENNA AURICULATA"** in our laboratory, during the period of January 2022-March 2022.

Date: 31/5/22

Place: Trichy

Director



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CIN No.: U73200TN2017PTC119075

Dr. E. Angel Jemima., M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

24.05.2022

Thillai Nagar

Certificate of Completion

This is to certify that Ms. FATHIMA BEE S.O, (Reg. No: P20351405) M.Sc.,
final year student of the Department of Biochemistry, Shrimati Indira Gandhi College,
Tiruchirapalli- 620002, has successfully completed her final year research project entitled
"COMBATING PATHOGENIC GENE EXPRESSION BY POLYHERBAL
FORMULATION ON VAGINAL INFECTION CAUSING MICROORGANISM"
under my guidance and supervision from 10th Feb 2022 to 24th May 2022 at Trichy Research
Institute of Biotechnology Private Limited, Trichy - 620018. It is further certified that the
dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.


Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No 107-D 2nd Floor



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CIN No.: U73200TN2017PTC119075

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Dr. E. Angel Jemima., M.Phil., Ph.D., DIWT.,

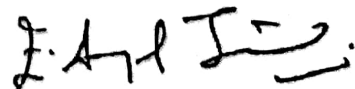
Chief Executive Officer.

24.05.2022

Thillai Nagar

Certificate of Completion

This is to certify that Ms. JANANI K, (Reg. No: P20351406) M Sc , final year student of the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirappalli-620002, has successfully completed her final year research project entitled "DEVELOPMENT OF MOSQUITO REPELLENT USING POLYHERBAL FORMULATION" under my guidance and supervision from 10th Feb 2022 to 24th May 2022 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.



Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY



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Dr. E. Angel Jemima., M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

24.05.2022

Thillai Nagar

Certificate of Completion

This is to certify that Ms. KANMANI R, (Reg. No: P20351407) M.Sc., final year student of the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirapalli- 620002, has successfully completed her final year research project entitled "ANTIMICROBIAL AND ANTIBIOFILM ACTIVITY OF POLYHERBAL COMBINATION AGAINST *Staphylococcus aureus*" under my guidance and supervision from 10th Feb 2022 to 24th May 2022 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.


Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY



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Quality, Integrity & Innovation in Research

TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY PVT. LTD.

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CIN No.: U73200TN2017PTC119075

Dr. E. Angel Jenima., M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

24.05.2022

Thillai Nagar

Certificate of Completion

This is to certify that Ms. KAVIYA R, (Reg. No: P20351408) M.Sc., final year student of the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirapalli-620002, has successfully completed her final year research project entitled "*IN VITRO* ANTIOXIDANT AND ANTIDIABETIC ACTIVITY OF *Careya arborea* HYDROALCOHOLIC EXTRACT" under my guidance and supervision from 10th Feb 2022 to 24th May 2022 at Trichy Research Institute of Biotechnology Private Limited, Trichy - 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.

Authorized Signature

Dr. E. ANGEL JENIMA.



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Life Science Laboratory
University of Madras

BBRC

Biological & Bioinformatics Research centre

Plot No: 15, Menaga Nagar, No.1 Tolgate, Trichy

CERTIFICATE

This is to Certify that Mrs. R. RAJALAKSHMI, (Reg. No: P20351409), Student of Srimati Indira Gandhi college, Tiruchirappalli, Worked for her project entitled on "ASSESSMENT INVITRO ANTI - INFLAMMATORY ACTIVITY OF *Orthosiphon stamineous Benth.*" in our laboratory, during the period of January 2022-March 2022.

Date : 29.5.22

Place : Trichy

Director



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CIN No. : U73200TN2017PTC11907

Dr. E. Angel Jemima., M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

24.05.2022

Thillai Nagar

Certificate of Completion

This is to certify that Ms. RENUKA B, (Reg. No: P20351410) M.Sc., final year student of the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirapalli- 620002, has successfully completed her final year research project entitled "INSECTICIDAL ACTIVITY OF POLYHERBAL FORMULATION" under my guidance and supervision from 10th Feb 2022 to 24th May 2022 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.



Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No 107-D, 2nd Floor 9th Cross (East),
Thillai Nagar, Trichy-620 018.



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Dr. E. Angel Jemima., M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

24.05.2022

Thillai Nagar

Certificate of Completion

This is to certify that Ms. SARVA RAJA MEENATCHI R, (Reg. No: P20351411) M.Sc., final year student of the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirapalli- 620002, has successfully completed her final year research project entitled "*IN VITRO* INHIBITORY EFFECTS OF POLYHERBAL FORMULATION ON VIRULENT GENE EXPRESSION OF BIOFILM FORMING BACTERIA IN CHRONIC WOUNDS" under my guidance and supervision from 10th Feb 2022 to 24th May 2022 at Trichy Research Institute of Biotechnology Private Limited, Trichy - 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.


Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY PVT. LTD

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CIN No. : U73200TN2017PTC1190

Dr. E. Angel Jemima., M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

24.05.2022

Thillai Nagar

Certificate of Completion

This is to certify that Ms. SIVA SANKARI S, (Reg. No: P20351412) M.Sc., final year student of the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirapalli- 620002, has successfully completed her final year research project entitled "IDENTIFICATION OF POTENTIAL NOVEL BIOACTIVE COMPOUNDS FROM *Wrightia tinctoria* (LEAF) AND *Matricaria chamomilla* (FLOWER)" under my guidance and supervision from 10th Feb 2022 to 24th May 2022 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.


Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No 107-D, 2nd Floor 9th Cross (East),
Thillai Nagar, Trichy-620 018.



Dr. E. Angel Jemima, M.Phil, Ph.D., DIWT.,
Chief Executive Officer.

24.05.2022

Thillai Nagar

Certificate of Completion

This is to certify that Ms. SNEHA C, (Reg. No: P20351413) M.Sc., final year student of the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirapalli-62002, has successfully completed her final year research project entitled "STUDY OF ANTI-BACTERIAL AND INHIBITION OF GENE EXPRESSION ANALYSIS BY POLYHERBAL FORMULATION AGAINST *Pseudomonas aeruginosa*" under my guidance and supervision from 10th Feb 2022 to 24th May 2022 at Trichy Research Institute of Biotechnology Private Limited, Trichy – 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.



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Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No 107-D, 2nd Floor, 9th Cross (East).



BBRC

Biological & Bioinformatics Research Centre

Plot No: 15, Menaga Nagar, No.1 Tolgate, Trichy.

CERTIFICATE

is to Certify that Ms S.SNEHA, (Reg. No: P20351414), Student of Shrimati
a Gandhi college, Tiruchirappalli, Worked for her project entitled on "*IN
TO ANTIDIABETIC ACTIVITY OF CYPERUS ROTUNDUS AND
OSPORA CORDIFOLIA AGAINST RIN 5F CELL LINE*" in our laboratory,
during the period of January 2022-March 2022.


Director

Trichy



Dr. E. Angel Jemima., M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

24.05.2022
Thillai Nagar

Certificate of Completion

This is to certify that Ms. SRIJA S. R, (Reg. No: P20351415) M.Sc., final year student of the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirapalli-620002, has successfully completed her final year research project entitled "DEVELOPMENT OF FOOD WRAPPING MATERIAL USING *Lactobacillus* EXTRACT" under my guidance and supervision from 10th Feb 2022 to 24th May 2022 at Trichy Research Institute of Biotechnology Private Limited, Trichy - 620018. It is further certified that the dissertation or any part thereof has not been submitted elsewhere for any degree or diploma.


Authorized Signature

Dr. E. ANGEL JEMIMA, Ph.D.,
Chief Executive Officer
TRICHY RESEARCH INSTITUTE OF BIOTECHNOLOGY
No 107-D 2nd Floor 9th Cross (East),
Thillai Nagar, Trichy-620-018.

Dr. E. Angel Jemima., M.Phil., Ph.D., DIWT.,
Chief Executive Officer.

24.05.2022
Thillai Nagar

Certificate of Completion

This is to certify that Ms. YOGESHWARI K. (Reg. No: P20351416) M.Sc.,
final year student of the Department of Biochemistry, Shrimati Indira Gandhi College,
Truchirapalli- 620002, has successfully completed her final year research project entitled
"IN VITRO INHIBITORY EFFECTS OF POLYHERBAL FORMULATION ON
VIRULENT GENE EXPRESSION OF BIOFILM FORMING BACTERIA IN
Pseudomonas aeruginosa" under my guidance and supervision from 10th Feb 2022 to 24th
May 2022 at Trichy Research Institute of Biotechnology Private Limited, Trichy - 620018. It
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No 107-D 2nd Floor 9th Cross (East),
Thillai Nagar, Trichy-620 018.