REPORT ON INTERNSHIP PROGRAMME

Duration

: May 4th to May 25th 2016

Institution

: Jawaharlal Nehru Tropical Botanic Garden and Research Institute (JNTBGRI), Palode, Trivandrum

: MSc. Botany, Sacred Heart College, Thevara

: Division of Biotechnology and Bioinformatics, JNTBGRI

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DO

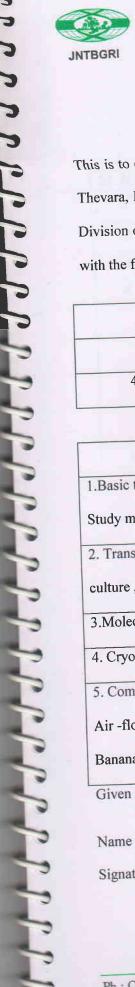
Student : Athira Krishna T.S

Program

Department in which internship is conducted

Name of the supervisor

Dr. C .G .Sudha



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Jawaharlal Nehru Tropical Botanic Garden and Research Institute (An Institute of Kerala State Council for Science, Technology and Environment, Govt. of Kerala, National Centre of Excellence, Govt. of India) Karimancode P. O., Palode, Thiruvananthapuram - 695 562, Kerala, India.

CERTIFICATE

This is to certify that Athira Krishna T S, M.Sc. Botany (Semester III) student of Sacred Heart College, Thevara, Kochi, has undergone two weeks training programme in the Biotechnology and Bioinformatics Division of Jawaharlal Nehru Tropical Botanical Garden and Research Institute JNTBGRI, Trivandrum with the following details:

	Attendance	
Duration	Leave Availing Details	Total days attended
4 th May-25 th May	Nil	15

Techniques/ Ability Acquired

1.Basic techniques on Plant Tissue Culture (Shoot culture initiation, Subculture and Root initiation)

Study material: Bacopa monnieri (L.) Wettst.

2. Transgenic root culture initiation using Agrobacterium rhizogenes and maintenance of hairy root

culture, Study material: Withania somnifera (L.) Dunal and Decalepis arayalpathra

3. Molecular Biology (DNA Extraction, Demonstration of PCR machine)

4. Cryopreservation Lab Exposure (Seed storage in Liquid Nitrogen)

5. Commercial Production using Tissue Culture - Lab Exposure (Autoclave, Media dispensing machine

Air -flow Cabinets ,RO water Production Unit, Culture room) used for commercial scale propagation of

Banana, Anthurium, Orchids and Pepper)

Biotechnology & Bioinformatics Division Scientist & Head

Given on the 26th day of May 2016

Name of Mentor: Dr C G Sudha Signature: C.G. Sudha Name of HoD: Dr. C. G Sudha

Signature:

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