



MANGALORE UNIVERSITY
DEPARTMENT OF MEDICAL PHYSICS

CERTIFICATE

This is to certify that **MISS ASHWINI.K** (Register number:193051910) has satisfactorily completed a project entitled “**Effect Of Dose Calculation Algorithm And Their Impact On IMRT Plans For A Case Of Carcinoma Abdomen: A Comparative Study** ” under the guidance of **PROF. DR. Karunakara NAREGUNDI** Mangalore University and **MR. AVINKUMAR**, RSO and Chief Medical Physicist, A J Hospital And Research Centre Mangalore, in partial fulfilment of the requirements for the award of degree of Master of Science in Medical Physics by Mangalore University during the academic year 2020-21



Mr. Avin kumar
Chief Medical Physicist
Radiation Safety Officer
AJHRC, Mangalore



Prof. Karunakara Naregundi
Co-ordinator
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Mangalore University



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DEPARTMENT OF MEDICAL PHYSICS

CERTIFICATE

This is to certify that **MISS JAYAPRIYA.S** (Register number:193051911) has satisfactorily completed a project entitled **“Effect Of Dose Calculation Algorithm And Their Impact On IMRT Plans For A Case Of Carcinoma Abdomen: A Comparative Study ”** under the guidance of **PROF. DR. Karunakara NAREGUNDI** Mangalore University and **MR. AVINKUMAR**, RSO and Chief Medical Physicist, A J Hospital And Research Centre Mangalore, in partial fulfilment of the requirements for the award of degree of Master of Science in Medical Physics by Mangalore University during the academic year 2020-21

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This is to certify that **MsJukitha George** (Register number:193051913) has satisfactorily completed a project entitled "PENUMBRAL EFFECT DUE TO MULTILEAF COLLIMATION ON A MEDICAL LINEAR ACCELERATOR" under the guidance of **Dr. K. JAYAPALAN**, RSO and Chief Medical Physicist, Mangalore Institute of Oncology, Mangalore, during the academic year 2020-2021, in the partial fulfillment of the requirements for the award of degree Master of science in Medical Physics of Mangalore University.

Dr. K. Jayapalan

Chief Medical Physicist

Radiation Safety Officer

MIO, Mangalore



Prof. Karunakara Naregundi

Co-ordinator

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Mangalore University

CERTIFICATE

This is to certify that **KEIKANTSEONE GAALEFUFA SEGANO** have successfully completed a project titled “**Measurement of percentage radial axes dose fall-off for *Ir-192* HDR brachytherapy remote after-loading system using EBT3 Gafchromic film**”, under the guidance and supervision of **Prof. KARUNAKARA NAREGUNDI**, programme coordinator, Mangalore University and **Mr. AVIN KUMAR**, RSO & Chief Medical Physicist, AJ Hospital and Research Centre, Mangalore. This dissertation is submitted in partial fulfillment of the requirements for the award of degree Master of science in Medical Physics by Mangalore University during the academic year 2020-2021.



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Co-ordinator,

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MANGALORE UNIVERSITY
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CERTIFICATE

This is to certify that **Ms NOURIN P.A** (Register Number: 193051915) has satisfactorily completed a project entitled “**Measurement of percentage radial axes dose fall-off for Ir - 192 HDR brachytherapy remote after-loading system using EBT3 Gafchromic film**”, under the guidance of **PROF. KARUNAKARA NAREGUNDI**, Coordinator Medical Physics Division, Mangalore University and **MR. AVIN KUMAR**, RSO and Chief Medical Physicist, A. J. Hospital And Research Centre Mangalore, in partial fulfillment of the requirements for the award of degree of Master of Science in Medical Physics by Mangalore University during the academic year 2020-21.



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This is to certify that **Ms SOUPARNIKA P**(Register Number: 193051917) has satisfactorily completed a project entitled **“Effect Of Excess Cerrobend Material On The Quality Of The High Energy Electron Beam- A Comparative Dosimetric Study”** under the guidance of **PROF. KARUNAKARA NAREGUNDI**, Coordinator Medical Physics Division, Mangalore University and **MR. AVIN KUMAR**, RSO and Chief Medical Physicist, A. J. Hospital And Research Centre Mangalore, in partial fulfillment of the requirements for the award of degree of Master of Science in Medical Physics by Mangalore University during the academic year 2020-21.

Mr. Avin Kumar

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Prof. Karunakara Naregundi

Co-ordinator

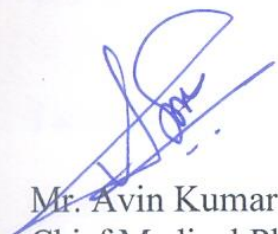
Medical Physics Division

Mangalore University

CERTIFICATE

This is to certify that that the project report titled “**COMPARISON OF MOTORIZED WEDGED PLAN V/S FORWARD IMRT PLAN IN TREATMENT OF CA BREAST – A RETROSPECTIVE STUDY**” is a genuine work of **Ms. Yashmitha K** done under the guidance of **Prof. Karunakara Naregundi**, Co-ordinator, Medical Physics Division, Mangalore University and **Mr. Avin Kumar**, RSO and Chief Medical Physicist, A J Hospital And Research Centre Mangalore. This dissertation is submitted in partial fulfilment of the requirements for the award of degree of Master of Science in Medical Physics by Mangalore University during the academic year 2020-21.

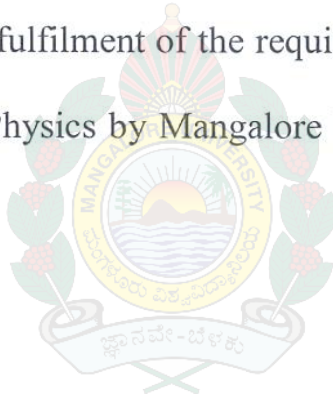



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A blue ink signature of Mr. Avin Kumar, written in a cursive style.

Mr. Avin Kumar
Chief Medical Physicist
Radiological Safety Officer
AJHRC, Mangalore

A blue ink signature of Prof. Karunakara Naregundi, written in a cursive style.

Prof. Karunakara Naregundi
Co-ordinator
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CERTIFICATE

This is to certify that **Ms Mowshmi Devi Jugurnauth-Boyramboli** (Register number:193051912) has satisfactorily completed a project entitled "PENUMBRALEFFECT DUE TO MULTILEAF COLLIMATION ON A MEDICAL LINEAR ACCELERATOR" under the guidance of **Dr. K. JAYAPALAN**, RSO and Chief Medical Physicist, Mangalore Institute of Oncology, Mangalore, during the academic year 2020-2021, in the partial fulfillment of the requirements for the award of degree Master of science in Medical Physics of Mangalore University.

Dr. K. Jayapalan

Chief Medical Physicist

Radiation Safety Officer

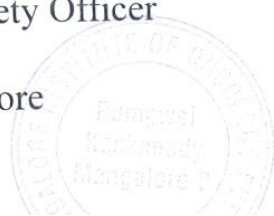
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This is to certify that that the project report titled **ANALYSIS OF DOSIMETRIC TOOLS FOR MEASURING CENTRAL AXIS PARAMETERS- A COMPARATIVE STUDY** is a genuine work of **Ms. Thabiso Emelda Itshabeng** done under the guidance of **Prof. Karunakara Naregundi**, Co-ordinator, Medical Physics Division, Mangalore University and **Mr. Avin Kumar**, RSO and Chief Medical Physicist, A J Hospital and Research Centre Mangalore. This dissertation is submitted in partial fulfilment of the requirements for the award of degree of Master of Science in Medical Physics by Mangalore University during the academic year 2020-21.

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This is to certify that **Ms SUNETRA J S** (Register Number: 193051918) has satisfactorily completed the project entitled **“ANALYSIS OF DOSIMETRIC TOOLS FOR MEASURING CENTRAL AXIS PARAMETERS- A COMPARATIVE STUDY”** under the guidance of **Prof. Karunakara Naregundi**, Co-ordinator, Medical Physics Division, Mangalore University and **Mr. Avin Kumar**, RSO and Chief Medical Physicist, A J Hospital and Research Centre Mangalore. This dissertation is submitted in partial fulfilment of the requirements for the award of degree of Master of Science in Medical Physics by Mangalore University during the academic year 2020-21.



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This is to certify that **Ms RONIKA RAVI** (Register Number: 193051916) has satisfactorily completed a project entitled **“Effect Of Excess Cerrobend Material On The Quality Of The High Energy Electron Beam- A Comparative Dosimetric Study”** under the guidance of **PROF. KARUNAKARA NAREGUNDI**, Coordinator Medical Physics Division, Mangalore University and **MR. AVIN KUMAR**, RSO and Chief Medical Physicist, A. J. Hospital And Research Centre Mangalore, in partial fulfillment of the requirements for the award of degree of Master of Science in Medical Physics by Mangalore University during the academic year 2020-21.

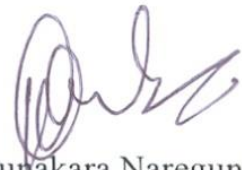


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