



MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

UNIVERSITY DEPARTMENT OF PROSTHETICS AND ORTHOTICS

Sector-01, Kamothe, Navi Mumbai - 410 209 Tel 022-27437829, Website: www.mgmudpo.edu.in

Number of Student's Projects of B.P.O (2017-18) Batch

SR NO.	TITLE OF THE PROJECT	NAME OF THE AUTHOR	NAME OF THE GUIDE
01.	Dynamic Anti-Claw Positioning Splint for Acute Hand Burns.	Mr. Rohan Tambe	Dr. Uttara Deshmukh
02.	Design & Development of Modified Universal Articulated Ankle Brace.	Ms. Nilam Mapari	Dr. Uttara Deshmukh
03.	Universal Prosthetic Foot	Ms. Shabha Khan	Dr. Uttara Deshmukh
04.	Design & Development of Static Progressive Stretch orthosis for Post-Traumatic Elbow Stiffness	Ms. Sana Khan	Dr. Deepshikha Raut
05.	Design & Development of Single axis Hinged Ulnar Deviation Splint for Rheumatoid Conditions.	Ms. Misbah Choudhary	Dr. Deepshikha Raut
06.	Design & Development of Dynamic Corrective Brace for an Adolescent Idiopathic Scoliosis.	Ms. Afra Khatri	Dr. Subhasish Paikray
07.	Design & Development of Pressure relief Ankle foot Orthosis for Management of Heel Ulcer.	Ms. Pranita Tambe	Dr. Subhasish Paikray

Dr. Uttara Deshmukh (P&O)

Principal,

MGM Institute's University Department of Prosthetics & Orthotics

Kamothe, Navi Mumbai, Maharashtra.

Dr. Uttara Deshmukh (P & O),

H. O. D. In-Charge,

MGM Institute's University Department

of Prosthetics and Orthotics,

Kamothe, Navi Mumbai.



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Progress Report of Student's Projects of B.P.O (2017-18) Batch

MGM Institute's University Department of Prosthetics & Orthotics is a constituent unit of MGM Institute of Health Sciences was started Bachelor in Prosthetics & Orthotics Programme (4.5 years) by the Affiliation of Rehabilitation Council of India (RCI) in 2016 for development of specialized health care professionals which combines a unique blend of clinical & technological skills of Prosthesis & Orthosis for development of Divyangjan in the society.

The B.P.O Students have project work as a subject in their IV year B.P.O curriculum as per the guidelines laid by RCI (Rehabilitation Council of India), the Statutory Body. Under this subject they need to do some project of their own ideas which can be a prototype or it can be implemented on patients.

As per RCI guidelines the student has to take a project work under the supervision of guide, Accordingly the students were well informed about the project work & the rules and regulations about the project in the month of August 2020.

The students choose their area of interest & accordingly the review of literature along with guide in the month of September 2020.

The topics of the project work were finalized in the month of October 2020.

After deciding the topics, the students started working in the direction of prototype model & they presented the project work at the Institutional level in the month of November 2020.



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Then with all necessary corrections MGMIUDPO submitted the Project work proposal to the Scientific Advisory Committee (SAC) in the third week of December 2020.

For the approval of the proposed projects in Scientific Advisory Committee (SAC) meeting was held on 30th January 2021 in the presence of Chairperson Dr. Rajani Mullerpatan , Member Secretary Dr. Bela Agrawal, Research Advisory Member Dr. Rita Abbi , Dr. Uttara Deshmukh (P&O) Guide & HOD , MGMIUDPO & Dr. Deepshikha Raut, Guide & Assistant Professor, MGMIUDPO & Dr. Subhasish Paikray ,Guide & Assistant Professor , MGMIUDPO.

All students presented their projects in front of the SAC Members in the format of Power point presentation & demonstrated the model which they have prepared.

The members of the Scientific Advisory Committee (SAC) recommended some changes after the presentation. As per advised by them, students rectified the points & submitted the revised proposal of their project work to SAC committee.

Recommendations provided by the Scientific Committee, have been incorporated in the project & revised versions were forwarded to the Institutional Ethical Committee (IEC) review.



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Project Details:

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02.	Design & Development of Modified Universal Articulated Ankle Brace.	Ms. Nilam Mapari	Dr. Uttara Deshmukh
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07.	Design & Development of Pressure relief Ankle foot Orthosis for Management of Heel Ulcer.	Ms. Pranita Tambe	Dr. Subhasish Paikray

As per RCI guidelines the students have submitted the projects to the Institute in the softcopy format. The projects were thoroughly checked with Plagiarism software by the respected guides & finally by the Head of the Department in the Month of June-2021.



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After checking by the Institute, the students were given the projects in the corrected format to submit the hardcopy to the Institute the month of July-2021.

Before the Final Year Exam all students submitted their Project work to the Department in the documented format in the Month of August-2021.

During Final Year Examination (August 2021 for regular Batch) students presented in front of the External & Internal examiner, on the basis of their knowledge & effectiveness of the project work & presentation skills examiners gave marks in the project work.

Dr. Uttara Deshmukh (P&O)

Principal,

**MGM Institute's University Department of Prosthetics & Orthotics,
Kamothe, Navi Mumbai, Maharashtra.**

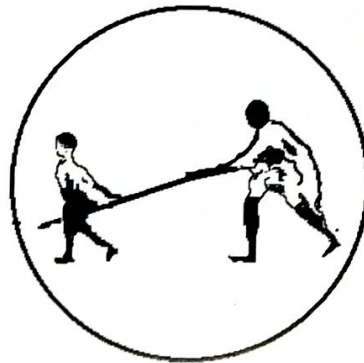
Dr. Uttara Deshmukh (P & O),

H. O. D. In-Charge,

**MGM Institute's University Department
of Prosthetics and Orthotics,
Kamothe, Navi Mumbai.**

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HEALTH SCIENCES

MGM INSTITUTE'S UNIVERSITY DEPARTMENT OF
PROSTHETICS AND ORTHOTICS
KAMOTHE, NAVI MUMBAI



PROJECT SUBMITTED

BY

SHABA SAYEED KHAN

(IV YEAR BPO)

ON

“UNIVERSAL PROSTHETIC FOOT”



MGM INSTITUTE OF HEALTH SCIENCES

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UNIVERSITY DEPARTMENT OF PROSTHETICS AND ORTHOTICS

Sector-01, Kamothe, Navi Mumbai - 410 209

Tel 022-27437620, Fax 022 - 27431094

CERTIFICATE

This is to certify that, the project entitled

“Universal Modified Prosthetic Foot”

has been carried out by:

MISS.SHABA SAYEED KHAN

PR Number (11610600001)

Class Roll Number (MGMUDPO201601)

BPO IV year

Under my supervision in the partial fulfillment of the requirement for the award of degree of **BACHELOR in Prosthetics and Orthotics (BPO)** during the academic year 2021.

Guide

Head of the Department

Dr. Uttara Deshmukh (P & O),
H. O. D. In-Charge,
MGM Institute's University Department
of Prosthetics and Orthotics,
Kamothe, Navi Mumbai.



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Sector-01, Kamothe, Navi Mumbai - 410 209

Tel 022-27437620, Fax 022 - 27431094

EXAMINER CERTIFICATION

This project report of

“MISS.SHABA SAYEED KHAN”

Entitled

“UNIVERSAL MODIFIED PROSTHETIC FOOT”

Is approved and acceptable in quality and form.

*14/08/21
Kshamita H
12/08/21*

Internal Examiner

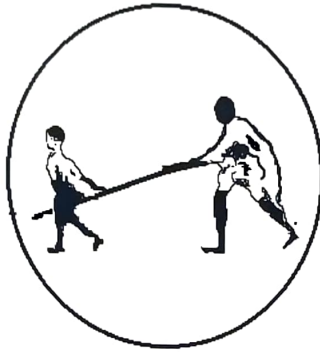
07/08/2021

External Examiner



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KAMOTHE, NAVI MUMBAI



PROJECT SUBMITTED

BY

SANA BARKATULLAH KHAN

(IV BPO)

ON

**“DESIGN AND DEVELOPMENT OF STATIC
PROGRESSIVE STRETCH ORTHOSIS FOR
POSTTRAUMATIC ELBOW STIFFNESS”**



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Tel 022-27437620, Website: www.mgmudpo.edu.in

CERTIFICATE

This is to certify that, the project entitled

**“DESIGN AND DEVELOPMENT OF STATIC PROGRESSIVE
STRETCH ORTHOSIS FOR POSTTRAUMATIC ELBOW STIFFNESS”**

Has been carried out by:

Ms. Sana Barkatullah Khan
PR Number (11710600002)
Class Roll Number (MGMUDPO201702)
BPO IV

Under my supervision in the partial fulfillment of the requirement for the award of degree of **BACHELOR in Prosthetics and Orthotics (BPO)** during the academic year 2020.

Guide

Head of the Department

**Dr. Uttara Deshmukh (P & O),
H. O. D. In-Charge,
MGM Institute's University Department
of Prosthetics and Orthotics,
Kamothe, Navi Mumbai.**



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Sector-01, Kamothe, Navi Mumbai - 410 209

Tel 022-27437620, Fax 022 - 27431094

EXAMINER CERTIFICATION

This project report of

“Sana Barkatullah Khan”

Entitled

**“DESIGN AND DEVELOPMENT OF STATIC PROGRESSIVE STRETCH
ORTHOSIS FOR POSTTRAUMATIC ELBOW STIFFNESS”**

Is approved and acceptable in quality and form.

*Dr. Anil
Kishore
13/08/21*

Internal Examiner

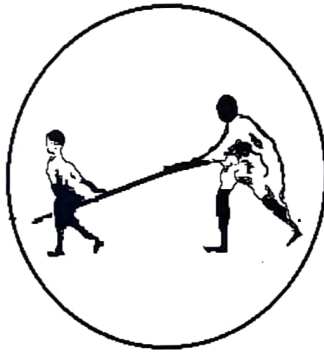
*Dr. Jyoti
13/08/2021*

External Examiner



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PROSTHETICS AND ORTHOTICS
KAMOTHE, NAVI MUMBAI



PROJECT SUBMITTED

BY

ROHAN SANTOSH TAMBE

(IV YEAR BPO)

ON

“DYNAMIC ANTI-CLAW POSITIONING SPLINT FOR ACUTE HAND BURNS”



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Tel 022-27437620, Fax 022 – 27431094

CERTIFICATE

This is to certify that, the project entitled

“DYNAMIC ANTI-CLAW POSITIONING SPLINT FOR ACUTE HAND BURN”

has been carried out by:

Mr. Rohan Santosh Tambe
PR Number (11710600008)
Class Roll Number (MGMUDPO201708)
BPO IV year

Under my supervision in the partial fulfillment of the requirement for the award of degree of
Bachelors in Prosthetics and Orthotics (BPO) during the academic year 2021.

Guide

Head of the Department

Dr. Uttara Deshmukh (P & O),
H. O. D. In-Charge,
MGM Institute's University Department
of Prosthetics and Orthotics,
Kamothe, Navi Mumbai.



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Sector-01, Kamothe, Navi Mumbai - 410 209
Tel 022-27437620, Fax 022 – 27431094

EXAMINER CERTIFICATION

This project report of

“Rohan Santosh Tambe”

Entitled

“Design of Dynamic Anti – Claw Positioning Splint for Acute Hand Burn”.

Is approved and acceptable in quality and form.

(Signature)
13/08/21

Internal Examiner

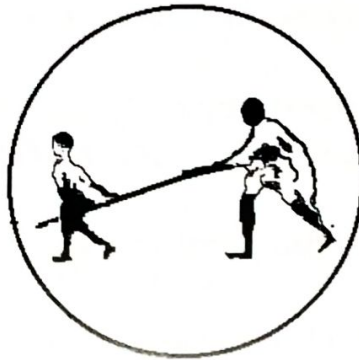
(Signature)
13/08/2021

External Examiner



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INSTITUTE OF HEALTH SCIENCES

MGM INSTITUTE'S UNIVERSITY DEPARTMENT OF
PROSTHETICS AND ORTHOTICS
KAMOTHE, NAVI MUMBAI



PROJECT SUBMITTED

BY

MISBAH RAFIQUE AHMED CHOUDHARY

(IV YEAR BPO)

ON

“DESIGN AND DEVELOPMENT OF
SINGLE AXIS HINGED ULNAR
DEVIATION SPLINT FOR RHEUMATIC
CONDITIONS”



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CERTIFICATE

This is to certify that, the project entitled

“Design and Development of Single Axis Hinged Ulnar Deviation Splint for Rheumatic Conditions”

has been carried out by:

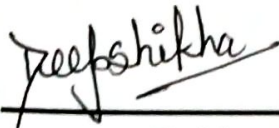
Ms. Misbah Rafiqueahmed Choudhary

PR Number (11710600001)

Class Roll Number (MGMUDPO201701)

BPO IV year

Under my supervision in the partial fulfillment of the requirement for the award of degree of **BACHELOR in Prosthetics and Orthotics (BPO)** during the academic year 2021.



Guide



Head of the Department

**Dr. Uttara Deshmukh (P & O),
H. O. D. In-Charge,
MGM Institute's University Department
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Kamothe, Navi Mumbai.**



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EXAMINER CERTIFICATION

This project report of

“Misbah Rafiqueahmed Choudhary”

Entitled

“Design and Development of Single Axis Hinged Ulnar Deviation Splint for Rheumatic Conditions”

Is approved and acceptable in quality and form.

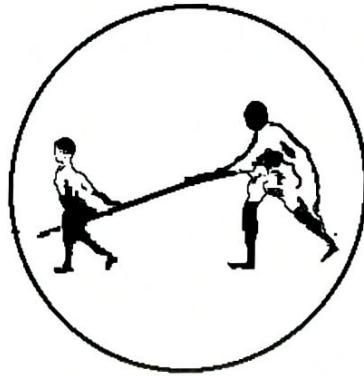
Internal Examiner

External Examiner



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PROJECT SUBMITTED

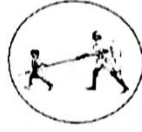
BY

KHATRI AFRA MOHAMMED IBRAHIM

(IV YEAR BPO)

ON

**“DESIGN AND DEVELOPMENT OF
DYNAMIC CORRECTIVE FOR AN
ADOLESCENT IDIOPATHIC SCOLIOSIS”**



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CERTIFICATE

This is to certify that, the project entitled

**“DESIGN AND DEVELOPMENT OF DYNAMIC CORRECTIVE BRACE
FOR AN ADOLESCENT IDIOPATHIC SCOLIOSIS”**

has been carried out by:

Ms. Khatri Afra Mohammed Ibrahim

PR Number (11710600003)

Class Roll Number (MGMUDPO201703)

BPO IV year

Under my supervision in the partial fulfillment of the requirement for the award of degree of **BACHELOR in Prosthetics and Orthotics (BPO)** during the academic year 2021.

S. Paikray

Guide

*Uttara Deshmukh
13/08/21*

Head of the Department

**Dr. Uttara Deshmukh (P & O),
H. O. D. In-Charge,
MGM Institute's University Department
of Prosthetics and Orthotics,
Kamothe, Navi Mumbai**



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EXAMINER CERTIFICATION

This project report of

“Khatri Afra Mohammed Ibrahim”

Entitled

“Design and Development of Dynamic Corrective Brace for an Adolescent Idiopathic Scoliosis”

Is approved and acceptable in quality and form.

*Ujjwal
Jain
13/08/21*

Internal Examiner

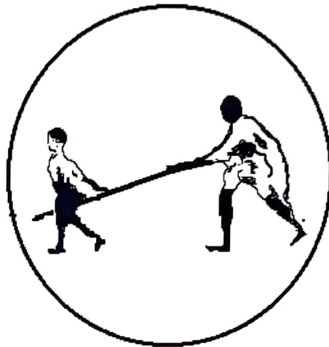
*Ujjwal
Jain
13/08/2021*

External Examiner



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INSTITUTE OF HEALTH SCIENCES

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PROSTHETICS AND ORTHOTICS
KAMOTHE, NAVI MUMBAI



PROJECT SUBMITTED

BY

NILAM SHIVAJI MAPARI

(IV YEAR BPO)

ON

**“DESIGN AND DEVELOPMENT OF MODIFIED UNIVERSAL ARTICULATED
ANKLE BRACE”**



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CERTIFICATE

This is to certify that, the project entitled

**“DESIGN AND DEVELOPMENT OF MODIFIED UNIVERSAL ARTICULATED
ANKLE BRACE”**

has been carried out by:

Ms. Nilam Shivaji Mapari
PR Number (11710600005)
Class Roll Number (MGMUDPO201704)
BPO IV year

Under my supervision in the partial fulfillment of the requirement for the award of degree of
BACHELOR in Prosthetics and Orthotics (BPO) during the academic year 2021.

Guide

Head of the Department

**Dr. Uttara Deshmukh (P & O),
H. O. D. In-Charge,
MGM Institute's University Department
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Kamothe, Navi Mumbai.**



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EXAMINER CERTIFICATION

This project report of

“Nilam Shivaji Mapari”

Entitled

“Design and Development of Modified Universal Articulated Ankle Brace”

[Handwritten Signature]
13/08/21

Internal Examiner

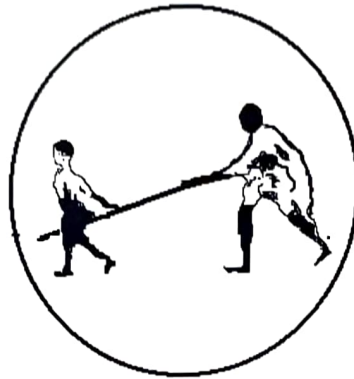
[Handwritten Signature]
13/08/2021

External Examiner



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INSTITUTE OF HEALTH SCIENCES

MGM INSTITUTE'S UNIVERSITY DEPARTMENT OF
PROSTHETICS AND ORTHOTICS
KAMOTHE, NAVI MUMBAI



PROJECT SUBMITTED
BY
PRANITA DHANPAL TAMBE
(IV YEAR BPO)
ON

**“DESIGN AND DEVELOPMENT OF PRESSURE RELIEF
ANKLE FOOT ORTHOSIS FOR MANAGEMENT OF
HEEL ULCER”**



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CERTIFICATE

This is to certify that, the project entitled

**“Design And Development Of Pressure Relief Ankle Foot Orthosis For
Management Of Heel Ulcer”**

has been carried out by:

Ms. Pranita Dhanpal Tambe

PR Number (11710600007)

Class Roll Number (MGMUDPO201707)

BPO IV year

Under my supervision in the partial fulfillment of the requirement for the award of degree of **BACHELOR in Prosthetics and Orthotics (BPO)** during the academic year 2021.

S. Parthasarathy

Guide

Uttara Deshmukh
13/08/21
Uttara Deshmukh

Head of the Department

Dr. Uttara Deshmukh (P & O),
H. O. D. In-Charge,
MGM Institute's University Department
of Prosthetics and Orthotics,
Kamothe, Navi Mumbai.



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EXAMINER CERTIFICATION

This project report of

“Pranita Dhanpal Tambe”

Entitled

“Design And Development Of Pressure Relief Ankle Foot Orthosis For Management Of Heel Ulcer”

Is approved and acceptable in quality and form.

*Pattar
Pranita
13/08/21*

Internal Examiner

*Pr
13/08/2021*

External Examiner

