



ISHWAR Institute of Prosthetics & Orthotics

Education for Evidence Based Practice

Prospectus cum Application Form
for
Admission
to
Bachelors in Prosthetics and Orthotics
(BPO)

Recognized by



Rehabilitation Council of India, New Delhi

Affiliated to



The Tamilnadu Dr. M.G.R. Medical University, Chennai



*Sh. Surinder Mehta, Chairman, Prime Group being Honoured
with the Padamshri by her Excellency Smt. Pratibha Patil, President of India
at Rashtrapati Bhawan on 31-March-2009*

From the President's Desk



I have the proud privilege to head the International Society for Human Welfare & Rehabilitation (ISHWAR) as its Founder President. The society works for the physically disabled and the underprivileged. Starting out with helping a few children monetarily for education, the Society now runs full fledged Artificial Limb Centres (Kritrim Ang Kendras) in New Delhi and Jaipur. It conducts numerous camps across the country for corrective foot surgeries and fitment of Prosthetic & Orthotic devices to the poor needy, free of cost and fitting Hi-Tech limbs using the latest technology in vogue in the west.

And in working towards that goal, it has taken the next big step of setting up and running a professional training institution called “ISHWAR Institute of Prosthetics & Orthotics” with the aim of producing qualified & motivated professionals needed to rehabilitate the physically challenged.

I am glad to learn that the Institute is commencing its next batch of Bachelors Degree Course in Prosthetics & Orthotics.

I am confident the Institute will provide world class education in P&O disciplines with considerable amount of practical handling at most competitive fees to the students so as to enable them to deliver services of the highest Standards to the needy.

Our endeavour would be to make the “ISHWAR Institute of Prosthetics & Orthotics” a premier institute having an elaborate infrastructure, meticulously designed curriculum, experienced dedicated faculty and industrious students.

I hope that the students passing out of the portals of IIPO will deliver the best practices, hold their heads high and be proud of the Institution.

My very best wishes

Shri Surinder Mehta
(President, ISHWAR)

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“For most of us, technology makes things easier. For a person with a disability, it makes things possible.”

The University



The Tamilnadu Dr. M.G.R. Medical University, an affiliating University, started functioning from July 1988 and is governed by the University Act, 1987

The Students admitted to various Medical and Paramedical courses after 01.03.1988 only come under this Medical University as per Government notification issued in G.O.Ms.No.1628/Health, Indian Medicine and Homeopathy and Family Welfare Department dated 23.08.1988.

This is the only Medical University in Tamilnadu capable of granting affiliation to new medical and paramedical colleges, government or self-financing and awarding degrees (Until 1988, all degrees in Health Sciences were awarded by the University of Madras).

The Council



The Rehabilitation Council of India (RCI) was set up as a registered society in 1986. During September, 1992 the RCI Act was enacted by Parliament and it became a Statutory Body on 22 June 1993. The Act was amended by Parliament in the year 2000 to make it more broad based. The mandate given to RCI is to regulate and monitor services given to persons with disability, to standardize syllabi and to maintain a Central Rehabilitation Register of all qualified professionals and personnel working in the field of Rehabilitation and Special Education. The Act also prescribes punitive action against unqualified persons delivering services to persons with disability.

ISHWAR Institute of Prosthetics & Orthotics



ISHWAR Institute of Prosthetics and Orthotics (IIPO) is a specialized training Institute run by International Society for Human Welfare and Rehabilitation (ISHWAR), a Delhi based NGO working for poor disabled.

Aims & Objectives

1. To train and educate, at certificate, diploma, undergraduate and postgraduate levels, Orthotists & Prosthetists of outstanding ability who may become leaders in the profession.
2. To orientate the teaching to a quality centered approach.
3. To design the P&O education towards continual professional development.
4. To undertake research & encourage students to focus on advancement of P&O technology.
5. To train P&O to become efficient P&O Clinicians/ Workshop Managers.
6. To develop qualities of compassion & humane behavior.



Our Mission

The Mission of IIPO is to be an exclusive and world class “Apex Centre of Excellence” in the area of Orthotics & Prosthetics and allied sciences for enhancing India's technological strength and evidence based clinical practice in Orthotics & Prosthetics and for becoming a pace-setting institution for other similar institutes to follow.

The institute also strives to provide high quality clinical and technical education in Prosthetics & Orthotics and related disciplines of rehabilitation as well as to train & follow the best clinical practices by substantiating field based research and development of human resources.



Our Vision



Our vision is to undertake world class education, training & development of special skills, research and innovation in Prosthetics & Orthotics so as to promote excellence in patient care services and rehabilitation. To work closely with the rehabilitation organizations and rehabilitation centres the world over to contribute to the field of Prosthetics & Orthotics. It also strives to achieve excellence in P&O education and research in the Country.



About Prosthetics & Orthotics

Orthotics and Prosthetics are disciplines that deal with the evaluation, fabrication and custom fitting of artificial limbs and limb supports, such as, calipers, braces and splints. Orthopedic braces, or orthoses, are used to stabilize or unload joints, normalise motion and stresses on tissues, substitute for muscle weakness or paralysis, and assist in normal growth, development and function. Orthoses can be applied to the head, neck, trunk, or limbs. Artificial limbs are to restore near normal function of the upper or lower extremities.

Orthotists and Prosthetists services can be obtained from various agencies that may include private clinics, hospitals, rehabilitation facilities, nursing homes, etc. Orthotists and Prosthetists are currently in very high demand as there is only one Prosthetist & Orthotist for 50,000 persons needing P&O services whereas it should be one for every 10,000 or less. The existing demand is five folds and is expected to increase in the future.



Orthotists and Prosthetists form a major component of the Rehabilitation Team. Orthotists and Prosthetists are responsible for:

- 1) Carrying out a comprehensive assessment of the patient's orthotic/prosthetic needs.
- 2) Creating a comprehensive orthotic/prosthetic treatment plan to meet the needs and goals of the patients.
- 3) Performing the necessary procedures to deliver the appropriate orthotic/prosthetic services, this includes fabrication of the Orthosis/ Prosthesis.
- 4) Providing continuing patient care and periodic valuation to assure/maintain/document optimal fit and function of the Orthosis/Prosthesis.
- 5) Participating in personal and professional development through continuing education, training, research and organizational affiliations.
- 6) Developing, implementing and/or monitoring policies and procedures regarding human, business, and organizational management.



The Role of a Prosthetist & Orthotist

The Prosthetist is a professional who provides patients with a suitable prosthesis (artificial limb) as a replacement for a limb lost through congenital loss, accident or amputation. After a thorough patient assessment, the Prosthetist prescribes a limb which looks and functions as closely as possible to the natural limb that modern technology will allow. Prosthetist must create the shape of the socket (the interface with the patient's body) with an understanding of the anatomy and physiology of the body and of the forces (biomechanics) which are to be applied. The Orthotist is a professional who designs and fits orthoses (splints, braces, etc) which provide support to part of a patient's body in order to compensate for paralysed muscles, provide relief from pain, or prevent physical deformities from progression. This field is very broad, allowing for orthotists becoming specialists in areas such as pediatrics, diabetes, stroke or sports orthotics. The Orthotist must also be able to carry out patient assessments and have an excellent

understanding of anatomy and or is it physiology that affects the human body.

A “Prosthetist” assesses patients for prostheses (artificial arms and legs) to replace a missing limb and its functional requirements. An “Orthotist” provides orthoses (external support) for an existing body segment. This may aid function by correction, through realignment or protection by limiting or assisting motion.

The attributes needed to be good Prosthetist & Orthotist are excellent communication skills, ability of problem-solving and a desire to work with people. Good dexterity to control the way their devices contact the individual patient is also important. They must also understand the properties of the materials from which the devices can be made, so that these will be effective and safe.



Why Study Prosthetics & Orthotics at IIPO

Prosthetics and Orthotics is a challenging career that combines engineering and medical disciplines to offer a unique opportunity in helping rehabilitate the orthopaedically challenged.

Prosthetists and Orthotists are associated with the rehabilitation of people who require external medical devices to enhance movement and function. They work in a challenging and rewarding profession where they see patients on a regular basis and usually over a long term. They need to establish a warm rapport with their patients as, in most cases; the rehabilitation is a long term process.

This four-year six months degree course qualifies you as a professional Prosthetist/Orthotist. This is a dual qualification as a healthcare professional.

IIPO aims to inculcate innovative ideas and practices among the students and has incorporated this aspect in its educational process.

IIPO provides a pleasing learning environment with a spirit of sharing and caring and with close bonds between teachers and students.



Overview of Course

Year wise distribution of the course curriculum is as follows:

- In **First year** the main emphasis is on Anatomy, Physiology, Basic Engineering, Prosthetics and Orthotics workshop technology and part of lower limb Prosthetics and Orthotics.
- In the **Second year**, besides Continuing with study of lower limb Prosthetics and Orthotics, major emphasis is given to Pathology, Orthopaedics & Amputation Surgery, Physical Medicine and Rehabilitation
- In **Third year**, major components are Rehabilitation/ Mobility Aids, Upper Limb Prosthetics and Orthotics, Research Methodology and Computer Science etc.
- In **Fourth year** major focus is on Spinal Orthotics, Prosthetics and Orthotics management of bilateral amputees especially of higher levels and other complicated ones. Three months clinical practice in Orthotics and three months in Prosthetics has been allotted besides project work
- Six Months of mandatory Internship



Teaching Programme

At IIPO we endeavour to achieve evidence based teaching and continuously modify the methodology based on feedback from students. Teaching is delivered by a variety of methods and varies between subjects. It includes a combination of lectures, supported by supervised tutorials and practical laboratory sessions. The high clinical content of the course is mainly taught through experiential learning. Students work as part of small teams with real patients to assess, fabricate and fit prosthetic/orthotic devices. Assessment is based on written exam and coursework. Clinical work-based learning is assessed in a clinical setting. The range of assessments includes essays, written exams, practical exams, problem-solving, multiple choice questions, oral presentations and project work. The final clinical examinations are oral exams held after each clinical placement period. Projects are presented as part of a final run down to graduation.



Career Prospects

Most Prosthetic and Orthotic graduates begin their careers working with Rehabilitation Centres & Companies providing P&O services. Number of such P&O service providers is rising rapidly, opening the doors of opportunity for P&O professionals. There are also increasing opportunities to work directly with hospitals having PMR/ Rehabilitation Departments. As one becomes more experienced one may specialize in a particular area of work such as foot orthotics, mobility aids, cosmetic restoration etc or move into management, teaching or research.



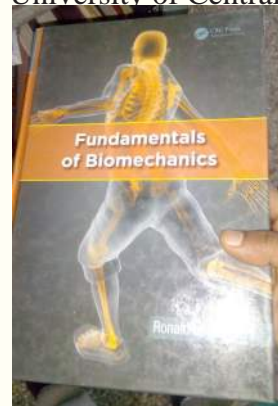
Facilities

Visiting Foreign Clinical Faculty

In order to enrich the content provided in the curriculum, the IIPO recruits visiting clinical faculty to lecture on specific specialty areas. There are approximately 30 guest instructional faculties in the IIPO. These individuals represent an interdisciplinary cross-section of experts from all across the world in a variety of disciplines such as medicine, prosthetics and orthotics, physical therapy, occupational therapy, biomechanics and CAD/CAM.

The following visiting foreign clinical faculties have been engaged for teaching the graduate course:

- | | | | |
|----|------------------|---|--|
| 1. | Joe Mc Carthy | - | CPO, UK |
| 2. | Brain McLaughlin | - | CPO, UK |
| 3. | Jim Richards | - | Professor in Biomechanics University of Central Lancashire, UK |
| 4. | Merrick Smith | - | CPO, Australia |
| 5. | Charles Kuffel | - | CPO, USA |
| 6. | John Ross | - | CPO, UK |
| 7. | Alastair Ward | - | CPO, UK |
| 8. | Jopi Sirtola | - | Physiotherapist, Finland |



Library

The Institute Library is equipped with a range of learning resources comprising all the required text & reference books, supportive text materials to the curriculum, national & international journals & periodicals related to Prosthetics, Orthotics & related rehabilitation topics. Internet facilities are also made available to the students. The Library also includes books on linked disciplines such as Anatomy, Physiology, Biomechanics, Human Psychology, Orthopedics, Pathology, Biostatistics, Management etc.



P&O Training & Workshop



Students benefit from training in a fully equipped Prosthetic & Orthotic workshop allowing them to hone their skills and learn on real life clients under highly capable supervision of experienced faculties.



Eligibility & Admission Procedure:

1. ELIGIBILITY CONDITIONS:

1.1 Academic Qualification: 10+2 with English, Physics, Chemistry, Biology/ Botany & Zoology or Mathematics or Computer Science with minimum of 50% marks in each subject for all categories. However, Reservation and Relaxation for SC/ST/OBC/PWD and other applicable categories shall be as per the rules of State Government.

The Candidates should have passed in all subjects of the qualifying examination of Higher Secondary Certificate Examination (Academic) conducted by the Tamilnadu State Board or any other equivalent examination.

The Candidates who have appeared in the qualifying examination with PCB/PCM subjects OR awaiting results of 10+2 can also apply. However, their admission shall be subject to fulfilling the passing norms.

1.2 Age Limit: A candidate should have completed the age of 17 years at the time of admission or would complete the age on or before 31st December of the year of admission to the B.P.O. degree courses.

2. METHOD OF SELECTION & COUNSELLING/ADMISSION:

Selection is based on Merit. Shortlisted candidates undergo a preliminary written test and interview at the time of counselling

3. SEAT STATUS:

3.1 Number of Seats: 15

4. DOCUMENTS REQUIRED IN ORIGINAL AT THE TIME OF COUNSELLING/ADMISSION

- i) 10th/SSLC Certificate as proof of Date of Birth
- ii) Certificate & Mark sheet of the qualifying examination
- iii) Medical Fitness Certificate by Gazetted Medical Officer
- iv) Character Certificate issued by school/college last studied
- v) Community Certificate
- vi) Transfer Certificate issued by school/college last studied
- vii) Blood Group certificate
- viii) Eligibility Certificate from TN MGRMU (For Students passed from CBSE/outside Tamilnadu Board)
- ix) Migration Certificate (For Students passed from CBSE/outside Tamilnadu Board)
- x) Disability certificate (if applicable)

5. DURATION OF THE COURSE:

Four years Six Months- Full Time (6 Months Mandatory Internship)

6. MEDIUM OF INSTRUCTION:

Medium of instruction for all the subjects of study and for the examinations of the Bachelor of Prosthetics and Orthotics Degree Courses shall be English

7. ATTENDANCE :

Students will have to fulfill criteria as per university norms as applicable from time to time.

8. DEGREE OFFERED:

On successful completion of the course, The TN Dr. MGR Medical University will issue the Degree.

9. CAUTION MONEY:

a) The candidates offered admission would be required to deposit a fixed amount as Caution Money. The Caution Money is refundable after recovering loss/damages in institute/laboratory/ library, if any, on the successful completion of the Course.

b) If a student discontinues on his/her own reason before completion of the course, the entire caution money shall be forfeited.

10. CANCELLATION OF ADMISSION:

Any student seeking admission on wrong information in respect of age, category subject of passing percentage of marks conduct in last school/college/university, etc in her/his application form her/his admission will be cancelled whenever it comes to the notice of the University/Institute during the course.

11. COMMENCEMENT OF COURSE: 1st August .**12. SCHOLARSHIP:** As per applicable norms.**13. BOARDING & LODGING:**

The Institute provides hostel facility only for outstation boys students with Hostel fee of 25,800/-per year. However, assistance in Hostel accommodation for outstation girls students will be provided at low budget.

Course Fee Structure

1. Admission Fee (One time only)	₹ 28,000/-
2. Tuition fees(Annual) -	₹ 35,000/-
3. Caution Money (One Time –Refundable)	₹ 20,000/-
4. Laboratory Fees(Annual)	₹ 6,000/-
5. Library Fees(Annual)	₹ 3,000/-
6. College Examination fees (Annual)	₹ 3,000/-
7. Other Non-Academic fees (Annual)	₹ 3,000/-

All fees & charges must be paid at the time of Admission. Students who voluntarily withdraw their admission from the institute at any given time before completing the course shall be required to pay the entire course fees. Fees once paid in part or full will not be refunded on cancellation or withdrawal of admission on any grounds.

All Admissions made are provisional subject to approval by the University.

Mode of Sale of the Admission Prospectus cum Application Form

The Prospectus along with the Application Form will be available between 9:30 am to 5:30 pm from 01 April at the administrative office- ISHWAR Institute of Prosthetics & Orthotics, Chennai on payment of ₹ 500/- (Rupees Five hundred only). These will also be available at the Endolite Prosthetics & Orthotics Centres at Bengaluru, Hyderabad, Vishakhapatnam, Vijaywada, Coimbatore, Mangalore, Kochi and Madurai. The cost of the Prospectus is Non-Refundable. The Prospectus cum Application Form can also be obtained by Post by sending demand draft of ₹ 500/- (Rupees Five hundred only) drawn in favour of **IIPO (a unit of ISHWAR) payable at New Delhi**. The application form can also be downloaded from the website and submitted duly filled along with Demand Draft of ₹ 500/- (Rupees Five hundred only) drawn in favour of **IIPO (a unit of ISHWAR) payable at New Delhi**.

For any further information / queries regarding course please contact:

The Principal

ISHWAR Institute of Prosthetics and Orthotics (IIPO)
AA 23, 3rd St. 3rd Main Road, Anna Nagar, Chennai-600040
Ph: 044-26213971, Mobile: 08695540011 / 7667663060
Email: iipo@ishwarngo.com ; iipo@ishwarngo.com

Important Information

1. Start of sale of Admission Prospectus : 01 April
2. Last date of submission of Completed Application Form : 10 June
3. Declaration of Provisional Merit List : 14 June
4. Commencement of first counselling/admission : 25 June
5. Commencement of Second counselling/admission
(if necessary against vacant seats) : 07 July
6. Commencement of Course : 01 August
7. Venue for counselling: Conference Room, ISHWAR Institute of Prosthetics & Orthotics, Chennai.;
Timing – 11.00 am
8. The application forms complete in all respects should be sent to the Principal's Office, ISHWAR Institute of Prosthetics & Orthotics, AA 23(FF), 3rd Main Road, 3rd Street, Anna Nagar, Chennai-40
9. Detailed schedule of first counselling/admission indicating the number of candidates to be called for counselling depending upon the availability of the qualified candidates & the intake for the programme will be displayed at the IIPO website www.iipoinstitute.in on 14 June as well as on College's administrative office Notice Board.
10. The detailed schedule of second counseling for the programme, depending upon the number of vacant seats shall be displayed on 29 June.
11. The candidate should report at the respective venue for counseling/admission on the date & time notified for counseling, in person, for the final allotment of seats.
12. It is mandatory for all candidates to fulfill the eligibility criteria laid down for the programme. The Candidate should be in possession of their Original Certificates and one attested photocopy at the time of counselling.
13. All the admissions made will be provisional & if at any stage during the entire programme it is found that the candidate has submitted false information in the application form, his/her candidature for the programme will be cancelled & disciplinary action may be taken against him/her as per the University rules.
14. The Vice-Chancellor of the University/ The College Management reserves the right to cancel the admission of any student for a specific reason.

Application Form No.



ISHWAR Institute of Prosthetics & Orthotics

A A23,3rd street,3rd Main Road,Anna Nagar,Chennai-600040



The Tamilnadu Dr. M.G.R. Medical University

Application Form for Admission to BPO Course for the Academic Year

Registration No.(for office use only)

(ALL ENTRIES IN BLOCK LETTERS ONLY)

Affix a recent
passport size
photograph
Self attested

1 Name of the candidate
(As recorded in the 10th
Class certificate)

First name

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Middle Name

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Last Name

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2. Sex

Male Female TG

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3. Father's Name

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4. Mother's Name

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5. a) Date of Birth

DD	MM	YYYY

b) Age (Completed Years)

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c) Place of Birth

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6 a) Nationality

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b) Religion

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c) Category

General	SC	ST	OBC	PH

7 a) Permanent Address

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City

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Pin Code

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8 Phone No : a) Mobile 1

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b) Mobile 2

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9 Email

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10 a) Details of Educational Qualifications

Course Last studied	Year of Study	College where studied	Year of Passing	% or Grade /Division

b) Marks obtained in 12th Grade/Equivalent Examination

Subject	Marks Obtained	Maximum Marks	% of Marks	Weighted Total Marks
Physics				Y
Chemistry				
Biology				X
Mathematics				Z
Computer Science				
Botany& Zoology				W
Total Marks (X+Y) or (Z+Y) or (W+Y)				

c) Marks obtained in English

Marks Obtained	Maximum Marks

11. Demand Draft (DD) Details (Applicable for Downloaded Forms Only)

DD Amount	DD No.	DD Date	Bank Name
500/-			

12. List of Enclosures

1Five Passport size photographs (Self- Attested)

2 Attested Photocopies of:

- i) SSLC and HSC/Equivalent mark sheet & certificate.
- ii) School transfer certificate.
- iii) Marksheet & Certificate of course of last studied

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14 Undertaking

I hereby solemnly & sincerely affirm that I fulfill the eligibility conditions & that the statements made & information furnished in this application form are correct. Also, I have not withheld any information. If it is later found that any information furnished herein is fraudulent, incorrect or untrue, I am liable to prosecution and that my admission to the programme is liable to be cancelled. I agree to abide by the rules, terms & regulations as contained in the admission bulletin and other provisions notified by the University. I am also aware that my admission is provisional and is subject to verification of my eligibility. I further declare that during the entire programme in the University/College I will not indulge in ragging.

Signature of Parent / Guardian

Signature of Applicant

Date :

Place :

Duly filled in Application Form should reach the undermentioned address by Hand / Post by 10th June
 The Principal
 ISHWAR Institute of Prosthetics & Orthotics
 AA 23, 3rd Street, 3rd Main Road, Anna Nagar, Chennai-600040





ISHWAR Institute of Prosthetics & Orthotics

Education for Evidence Based Practice



ISHWAR Institute of Prosthetics & Orthotics

AA 23, 3rd Street, 3rd Main Road, Anna Nagar, Chennai-600040, Tamilnadu

Phone: 044-26213971; Mobile: 08695540011 / 7667663060

Email: iipo@ishwarngo.com; iipochennai@ishwarngo.com

www.iipoinstitute.in

BPO ADMISSION APPLICATION FORM

Cost : ₹ 500/-