SESSION 2016 -

Integral University, Lucknow
Integral Institute of Allied Health Sciences & Research
Department of Physiotherapy

Dated: 13/06/2016

Notice

A meeting regarding the workshop for the session 2016-17 is to be scheduled on the 14/06/2016. All the faculty members are hereby informed to available in the HoD office at 12:10PM.

(Dr. Ashfaque Khan)
Head, Physiotherapy

Head
Deptt. of Physiotherapy
Integral University, Lucknow

CC to:

1. All faculty members of Physiotherapy
2. Notice Board

Integral University, Lucknow
Integral Institute of Allied Health Sciences & Research
Department of Physiotherapy (PMR)

Ref. No.: IUL/IIAHS/Physio/WS/2016/01 Dated: 14/06/2016

Minutes of Meeting
"Research Methodology and Biostatistics, using SPSS in Medical Sciences"
29th June to 05th July 2016

A meeting regarding workshop for the month of June-July will be scheduled on 29th June to 05th July 2016.

The following members are attended the meeting:

1. Dr. Ashfaque Khan – HoD Physiotherapy
2. Dr. A.M.H.Inam
3. Dr. Mohd. Javed Iqbal
4. Dr. Abdul Raheem
5. Dr. Swapnil Ramteke
6. Dr. Neeraj Maurya

Following aspects were discussed and planned regarding participating in the Workshop 2016:

1. The team of faculty members will be formed and allotted different tasks with respect to the Workshop.
2. Dr. A.M.H. Inam – Brouchers, Registration, Attendance sheet & Certificate Bookey.
3. Dr. Abdul Raheem – Photos, Audio Visual & Room Arrangement, Refreshment Students.
4. Dr. Ashfaque Khan – Guest House, Welcome Speech.
5. Dr. Javed Iqbal – Pick and drop Guest from Station. Momento for Guest, Vote of thanks.
6. Dr. Neeraj Maurya – Audio Visual & Room Arrangement.
7. Dr. Swapnil Ramteke – Refreshment Guest/ Students.

Dr. Ashfaque Khan (PT)
Head, Physiotherapy

Dr. Ashfaque Khan
Head
Dept. of Physiotherapy
Integral University, Lucknow

Integral University, Lucknow
Integral Institute of Allied Health Sciences & Research
Department of Physiotherapy

Ref. No: IUL/IIAHS/Physio/WS/02 **Date:** 15/06/2016

To,

The Vice Chancellor
Integral University,
Lucknow

(Through Proper Channel)

Subject: Request for approval of two days hands on Workshop on the topic "Research Methodology and Biostatistics, using SPSS in Medical Sciences", 29th June to 05th July, 2016 in the department of Physiotherapy.

Respected Sir,

With due respect we would like to state that we wish to organize workshop, on **"Research Methodology and Biostatistics, using SPSS in Medical Sciences"** by **Dr. Homnath Dhungana,** Asst. professor, Department of Community Medicine, Integral Institute of Medical Sciences & Research (IIMS&R) from **29th June to 05th July, 2016,** in the department of Physiotherapy, for the students of B.P.T. final year & M.P.T.

So, I seek your kind permission for allowing us to conduct the said workshop.

Thanking you in anticipation.

Dr. Ashfaque Khan (PT)
Head, Physiotherapy

Head
Deptt. of Physiotherapy
Integral University, Lucknow

Faculty Development Program

on

"Workshop on Research Methodology & Biostatistics Using SPSS in Medical Sciences"

Organized by

Department of Physiotherapy, IIMS&R, Integral University, Lucknow

(29th June to 5th July, 2016)

Schedule & topics to be covered by:

Dr. Homnath Dhungana, Asst. Professor

Department of Community Medicine, IIMS&R, Lucknow

Timing: 11:00 AM to 01:00 PM

Day	Topic	Syllabus to be covered
29th June	Introduction to Biostatistics	History of Statistics, Data, types of data, Scale of Measurement, Source of medical Data, Application of software's in statistics
	Introduction to SPSS	Introduction of SPSS: General Description, Workflow & SPSS file management
	Data input and data cleaning in SPSS	Defining Variables, Manual input of data, Automated input of data and file import & Related Exercises at class room
	Data Manipulation in SPSS	Data transportation, Syntax files and scripts Output SPSS file management & Related Exercises at class room
	Descriptive Analysis of data: Central Tendency, Variation	Frequencies, Descriptive, Explore, Crosstabs and charts & Related Exercises at class room
30th June	Inferential Part of Statistics	Probability, Sampling, Normal distribution, Large & small sample, Level of Significance, Power, Errors, Testing of Hypothesis, Test of significance & Related Exercises at class room
	Statistical Test by SPSS	Association, different types of correlation, Test for means: T- test, ANOVA & Related Exercises at class room
1st July	Statistical Test by SPSS continued	Test of normality, Non parametric: Chi square, Fisher exact, MC Namer, Sign test, Mann-Whitney Test etc. & Related Exercises at class room
2nd July	Regression analysis by SPSS & Advance regression	Linear regression, Non linear regression, R^2, adjusted R^2, Model fitting Advance regression : Regression for categorical data Logistic regression, conditional Logistic regression, ordinal Logistic regression etc. & Related Exercises at class room
4th July	Multivariate techniques	Multivariate problem, multivariate regression, cluster and factor analysis & Related Exercises at class room, Report writing components
5th July	Related to research activity	Research proposal writing

- ✓ Registration Rs. 100/- on first come first serve basis only for Medical Faculty
- ✓ Total Number of seats 20 only.
- ✓ Certification will be provided to the participants with complete attendance

Prof. Dr. M. Z. Idris - Patron

Organizing Committee:

Dr. Ashfaque Khan (PT) - **Convener**

Dr. Ahmad Merajul Hasan Inam (PT) – **Coordinator**

Dr. Nadeem Ahmad - **Member**

Dr. Mohd. Javed Iqbal (PT) - **Member**

Dr. Neeraj Maurya (PT) - **Member**

Dr. Swapnil Ramteke (PT) - **Member**

Venue:

Department of Physiotherapy, 6th Floor, Phase-II,

Integral University, Kursi Road,

Lucknow- 226026 UP

Contact Details:

E-mail: headbpt@iul.ac.in

Dr. Ashfaque Khan (PT) (9648110592)

Head

Deptt. of Physiotherapy

Integral University, Lucknow

Detailed schedule of one Week "Workshop on Research Methodology and Biostatistics Using SPSS in Medical Sciences" at IIMS&R
Venue: Medical Education Unit, Ground Floor, Phase-II
Date: 29th JUNE to 5th JULY 2016

Day	Topic	Syllabus to be covered
Day 1 **Timing** 11:00AM to 01:00PM	Introduction to Biostatistics	History of Statistics, Data, types of data, Scale of Measurement, Source of medical Data, Application of software's in statistics
	Introduction to SPSS	Introduction of SPSS: General Description, Workflow & SPSS file management
	Data input and data cleaning in SPSS	Defining Variables, Manual input of data, Automated input of data and file import **& Related Exercises at class room**
	Data Manipulation in SPSS	Data transportation, Syntax files and scripts Output SPSS file management **& Related Exercises at class room**
	Descriptive Analysis of data: Central Tendency, Variation	Frequencies, Descriptive, Explore, Crosstabs and charts **& Related Exercises at class room**
Day 2 **Timing** 11:00AM to 01:00PM	Inferential Part of Statistics	Probability, Sampling, Normal distribution, Large & small sample, Level of Significance, Power, Errors, Testing of Hypothesis, Test of significance **& Related Exercises at class room**
	Statistical Test by SPSS	Association, different types of correlation, Test for means: T- test, ANOVA **& Related Exercises at class room**
Day 3 **Timing** 11:00AM to 01:00PM	Statistical Test by SPSS continued	Test of normality, Non parametric: Chi square, Fisher exact, MC Namer, Sign test, Mann-Whitney Test etc. **& Related Exercises at class room**
Day 4 **Timing** 11:00AM to 01:00PM	Regression analysis by SPSS & Advance regression	Linear regression, Non linear regression, R^2, adjusted R^2. Model fitting Advance regression : Regression for categorical data Logistic regression, conditional Logistic regression, ordinal Logistic regression etc. **& Related Exercises at class room**
Day 5 **Timing** 11:00AM to 01:00PM	Multivariate techniques	Multivariate problem, multivariate regression, cluster and factor analysis **& Related Exercises at class room** **Report writing components** : Making interpretation of tables and statistical techniques, being ready for publication
Day 6 **Timing** 11:00AM to 01:00PM	Related to research activity	Research proposal writing : - Topic selection - Pilot study/Literature review - Planning study design, Sample size calculation - Selection of statistical tool to be used - Making fund arrangements/ research grants

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Deptt. of Physiotherapy
Inte ral University, Lucknow.

Post Workshop Awareness test in Bio statistics

1. Outlier is
   1. Most extreme value 2.Central Tendency 3. Measure of variation

2. Blood type is a
   1. Nominal Scale 2. Interval scale 3. Ratio scale 4. Ordinal scale

3. For large sample size all data follow
   1.Binomial distribution 2. Passion distribution 3.Normal distribution 3.None
4. If p value is 0.03 after using t- test, it means
   1.reject H0 2. Accept H0 3.No conclusion 4 None
5. What is alpha
   1. Level of significance 2. Power of the test 3. Sample size 4. None
6. For after before study in hypertensive patients we may use,
   1. Paired t test 2. Independent t test 3. Non parametric test 4. None

7. Non parametric test is used mostly for

   1. Categorical data 1. Continuous data 3. For missing data 4. None
8. Mean +/- SD in normal distribution covers the area
   1.68 % 2.90 % 3.95 % 4. 99%
9. Fisher exact test is used in place of Chi square if
   1. Sample size is very large 2. Data missing 3.For small cells frequencies (n<5) 4.None

10. Standard deviation is
   1.Measurement of association 2.Measurement of central tendency 3.Measure of variation 4. None

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Integral University, Lucknow.

INTEGRAL UNIVERSITY, LUCKNOW

INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES & RESEARCH

DEPARTMENT OF PHYSIOTHERAPY

Dasauli, P.O. Bas-ha Kursi Road, Lucknow – 226026

Ref. No: IUL/IIAHS/PT/WS/INV/2016/03 **Date:** 20/06/2016

To,

Dr. Homnath Dhungana
Asstt. Professor (MRD)
IIMS&R, Integral University,
Lucknow

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Subject: Invitation as a resource person for Workshop on **"Research Methodology and Biostatistics, using SPSS in Medical Sciences"** from 29th June to 5th July 2016.

Dear Sir,

We are pleased to inform you that Integral institute of Allied Health Science (IIAHS), Department of Physiotherapy, Integral University, Lucknow, would like to invite as a Resource person for workshop on **"Research Methodology and Biostatistics, using SPSS in Medical Sciences"** from 29th June to 5th July 2016.

Kindly give your consent in this regards.

Thanking you.

20/06/16

Dr. Ashfaque Khan (PT)
Principal, IIAHS&R
Integral University Lucknow

Phone Nos. : 2890730, 2890812 Ext. No. 6651 (O) Fax No.: (0522) 2890809
Web: : iul.ac.in email: headbpt@iul.ac.in

Integral University, Lucknow
Integral Institute of Medical Sciences & Research
Department of Physiotherapy (PMR)

Ref. No.: IU/IIMS&R/Physio/FDP/2016/04 Dated: 25/06/2016

Notice

This is to inform that department of physiotherapy is organizing one week workshop on "Research Methodology and Biostatistics Using SPSS in Medical Sciences" by Dr. Homnath Dhungana from 29th June to 5th July 2016. In this context interested faculty members from IIMS&R are informed to register and confirm their seat for attending the workshop by contacting with Head, department of physiotherapy. Registration charges of Rs. 100/- only will be applicable.

Dr. Ashfaque Khan (PT)
Head, Physiotherapy

Head
Deptt. of Physiotherapy
Integral University, Lucknow.

Prof. (Dr.) M. Z. Idris
Dean/ Director, IIMS&R

CC To:

1. Dean/ Director IIMS&R
2. Sr. Medical Suptd.
3. Director IQAC
4. Director Academic Staff College
5. All the HOD's/ Faculty Members of IIMS&R
6. Medical Education Unit
7. Dr. Homnath Dungana
8. Office copy

Aegis

Faculty Development Program on

"Workshop on Research Methodology & Biostatistics Using SPSS in Medical Sciences"

Organized by Department of Physiotherapy, IIMS&R, Integral University, Lucknow

(29th June to 5th July, 2016)

Attendance of Participants

S. No.	Name of Faculty Member	Department	Designation	29th June	30th June	01st July	02nd July	04th July	05th July
1	Dr. Ashfaque Khan (PT)	Physiotherapy	Asso. Prof.						
2	Dr. Swapnil U. Ramteke (PT)	Physiotherapy	Asstt. Prof.						
3	Dr. Mohd. Javed Iqbal (PT)	Physiotherapy	Asstt. Prof.						
4	Dr. Ahmad Merajul Hasan Inam (PT)	Physiotherapy	Asstt. Prof.						
5	Dr. Neeraj Maurya (PT)	Physiotherapy	Asstt. Prof.						
6	Dr. Deepak Chopra	Community Medicine	Asstt. Prof.						
7	Dr. Sandhya Mishra	Community Medicine	Asstt. Prof.						
8	Dr. Saurabh Kashyap	Community Medicine	Asstt. Prof.						
9	Dr. Saif Anees	Community Medicine	Asstt. Prof.						
10	Dr. Ravi Kant	Community Medicine	Asstt. Prof.						
11	Dr. Roshan Alam	Biochemistry	Asso. Prof.						
12	Dr. Dhananjay Tiwari	Biochemistry	Asstt. Prof.						
13	Dr. S.M.A.Waseem	Physiology	Asstt. Prof.						
14	Dr. Rubeena Bano	Physiology	~~Asso.~~ Prof.						
15	Ms. Priyanka Thapa	Biochemistry	Ph.D. Scholar						
16	Dr. Seema Singh	Physiology	Professor						
17	Dr. Fatima	Biotechnology	Asst. Professor						
18	Dr. Munawwar Alam	Electrical Engg.	Asso. Prof.						
19	Er. Akhlaque Ahmad Khan	Electrical Engg.	Asst. Prof.						

Rt-Iro

Jawaid Fatima

					29 June	30 June	01 July	02 July	04 July	05 July
20	Dr. Ankur Sharma	Surgery	Asst. Prof.							
21	Dr. Noor Jahan	Microbiology	Asso. Prof.		Noor Jahan	Noor Jahan			Noor Jahan	Noor Jahan
22	Dr Jaya Gupta	ENT	S.R							
23	Dr Nitin ~~Gupta~~ Ranjan Gupta	Medicine.	Asst Prof							
24	Dr Arvind ~~Gupta~~ Kr.	Medicine								
25	Farha Maarfi	Bioengineering								
26	Dr Perena Gupta	Anatomy			Gupta	Gupta			Gupta	Gupta
27	Dr Ansu Mishra	Anatomy	Asst. Professor							
28	Dr Shilpi Srivastav	Microbiology	Asst Professor							
29	Dr Sana Jamal	Micro	Assist. Professor							
30	Dr Yogesh Kumar Yadav	Pathology	Asso Prof							
31	Dr Namrata Suri (PT)	Physiotherapy								
32.	Anup Kumar Sirbaiya	Pharmacy	Assistant Prof.							
33.	Dr. Nadeem Ahmad	Community Medicine	Prof & HOD							
34.	Dr Sanjeev Sahai	Microbiology	Prof & HOD							
35.	Dr. Shikha Agarwal	Ophthalmology	SR							
36.	Mr. Aflab alam	Biotechnology								

Rs - 100

Rs - 100

Rs - 100

Rs - 100

Dept. of Physiotherapy
Integral University, Lucknow

Faculty Development Program on
"Workshop on Research Methodology & Biostatistics Using SPSS in Medical Sciences"
Organized by Department of Physiotherapy, IIMS&R, Integral University, Lucknow
(29th June to 05 July 2016)
Attendance of Participants

S. No.	Name of Faculty Member	Department	Designation	29-Jun	30-Jun	1-Jul	2-Jul	4-Jul	5-Jul
1	Dr. Mahboobu Haque	Anatomy	Prof. & Head	Mahbub	Mahbub			Mahbub	Mahbub
2	Dr. Prerna Gupta	Anatomy	Assoc. Prof.	Prerna Gupta	Prerna			Prerna	Prerna
3	Dr. Pratibha Shkya	Anatomy	Assist. Prof.	P. Shkya	P. Shkya			P. Shkya	P. Shakya
4	Dr. Abeer Zubair Khan	Anatomy	Assist. Prof.	Abeer	Abeer			Abeer	Abeer
5	Dr. Rahul Singh	Anatomy	Assist. Prof.	Rahul	Rahul			Rahul	Rahul
6	Dr. Areeba Nasar	Anatomy	Assist. Prof.	Areeba	Areeba			Areeba	Areeba
7	Dr. Mah Paikar	Anatomy	Assist. Prof.	Mah. P.	Mah. P.			Mah. P.	Mah P.
8	Dr. Shabbir Hussain	Physiology	Prof. & Head	S. Hussain	S. Hussain			S. Hussain	S. Hussain
9	Dr. S.M.A.Waseem	Physiology	Assoc. Prof.	S.M.A.	S.M.A			S.M.A	S.M.A
10	Dr. Tanveer Alam	Physiology	Assoc. Prof.	Tanveer	Tanveer			Tanveer	Tanveer
11	Dr. Sara Siddiqui	Physiology	Assist. Prof.	Sara	Sara			Sara	Sara
12	Dr. Samreen Farooqui	Physiology	Assist. Prof.	Samreen	Samreen			Samreen	Samreen
13	Dr. Jai Narayan	Physiology	Assist. Prof.	J.N	J.N			J.N	J.N
14	Dr. Warisha Tasleem	Physiology	Tutor	[illegible]	[illegible]			[illegible]	[illegible]
15	Dr. Hud Ara	Physiology	Tutor	Hud Ara	Hud Ara			Hud Ara	Hud Ara
16	Prof. Dr. Manzoor Ahmad	Microbiology	Prof. & Head	Manzoor	Manzoor			Manzoor	Manzoor
17	Prof. Dr. Noor Jahan	Microbiology	Professor	Jahan	Jahan			Jahan	Jahan
18	Prof. Dr. Shilpi Srivastava	Microbiology	Professor	Shilpi	Shilpi			Shilpi	Shilpi
19	Dr. Sana Jamali	Microbiology	Assoc. Prof.	Sana	Sana			Sana	Sana
20	Dr. Swati Srivastava	Microbiology	Assist. Prof.	Swati	Swati			Swati	Swati
21	Dr. Sarvar Jahan	Microbiology	Assist. Prof.	S. Sarwar	S. Sarwar			S. Sarwar	S. Sarwar
22	Dr. Sandeepika Dubey	Microbiology	Assist. Prof.	Sandeepika	Sandeepika			Sandeepika	Sandeepika
23	Dr. Roshan Alam	Biochemistry	Professor	Roshan	Roshan			Roshan	Roshan
24	Dr. Dhananjay Tiwari	Biochemistry	Assoc. Prof.	Dhananjay	Dhananjay			Dhananjay	Dhananjay
25	Dr. Priyanka Thapa	Biochemistry	Assist. Prof.	Priyanka	Priyanka			Priyanka	Priyanka

Dept. of Physiotherapy
Integral University, Lucknow.

26	Dr. Saba Khan	Biochemistry	Tutor	Saba Khan	Saba Khan			Saba Khan	Saba Khan
27	Dr. M.M. Prasad	Biochemistry	Tutor						
28	Dr. Phool Chand	Biochemistry	Tutor	P. Chand	P. Chand			P. Chand	P. Chand
29	Dr. H.S. Saxena	Biochemistry	Assoc. Prof.	H.S. Saxena	H.S. Saxena			H.S. Saxena	H.S. Saxena
30	Dr. Naveen Srivastava	Ortho	Assoc. Prof.						
31	Prof. Ayant Hussain	Surgery	Assoc. Prof.						
32	Dr. Imtiyaz Ahmad	General Surgery	Assist. Prof.						
33	Dr. Ajay Kumar Srivastava	Pedia	Assist. Prof.	A.K. Srivastava	A.K. Srivastava			A.K. Srivastava	A.K. Srivastava
34	Dr. Mohd Arif Siddiqui	Chest & TB	Assist. Prof.	M. Arif	M. Arif			M. Arif	M. Arif
35	Dr. Azhar Mahmood Farooqui	Psychiatry	Assist. Prof.						
36	Dr. Shariq Ali	Skin & VD	Assist. Prof.						
37	Dr. Mahmood Javed Ali Khan	Surgery	Assist. Prof.	Jaya	Jaya			Jaya	Jaya
38	Dr. Jaya Gupta	Gynae	Assist. Prof.	Jaya	Jaya			Jaya	Jaya
39	Dr. Ausaf Ahmad	Immunity	Assist. Prof.						
40	Prof. Desh Deepak	TB & Chest	Assist. Prof.						
41	Dr. Farid Mahmood	Ortho	Assist. Prof.						
42	Dr. Ashutosh Gupta	Ortho	Assist. Prof.						
43	Dr. Mausami Sharma	Gynae	Assist. Prof.						
44	Dr. Megha Agarwal	Pathology	Assist. Prof.						
45	Dr. Abhishek Tiwari	Pathology	Assist. Prof.						
46	Dr. Vivek Katihar	Medicine	Assist. Prof.	V. Katihar	V. Katihar			V. Katihar	V. Katihar
47	Dr. Anil Kumar Jain	Pedia	Assist. Prof.						
48	Dr. Rajesh Kumar Khare	Medicine	Assist. Prof.	R.K. Khare	R.K. Khare			R.K. Khare	R.K. Khare
49	Dr. Mohammad Zafar Idris	Pathology	Assist. Prof.						
50	Dr. Nausheen Khan	Pedia	Assist. Prof.						
51	Dr. Faraz Ahmad Khan	Eye	Assist. Prof.						
52	Dr. Pooja Jaiswal	Pedia	Assist. Prof.						
53	Dr. Mohd Parvez	Gynae	Assist. Prof.						
54	Dr. Meenakshi Srivastava	Medicine	Assist. Prof.						
55	Dr. Arvind Kumar	Skin & VD	Assoc. Prof.						
56	Dr. Mohd Asad Haroon	Eye	Assoc. Prof.						

Deptt. of Physiotherapy
Integral University, Lucknow

57	Dr. Shilpi Srivastava	Community	Assoc. Prof.						
58	Dr. Deepak Chopra	Surgery	Assoc. Prof.						
59	Dr. Abdul Haque	ENT	Assoc. Prof.						
60	Dr. Pankaj Kumar Verma	Eye	Assoc. Prof.						
61	Dr. Gaurav Kumar	Ortho	Assoc. Prof.						
62	Dr. Mohd Mobin	Eye	Assoc. Prof.						
63	Dr. Asma Nigar	Gynae	Assoc. Prof.						
64	Dr. Mohd Kamran Khan	Surgery	Assoc. Prof.						
65	Dr. Kausar Lata	Gynae	Assoc. Prof.						
66	Dr. Keerti Patel	Gynae	Assoc. Prof.						
67	Dr. Sonal Saxena	Surgery	Assist. Prof.						
68	Dr. Saba Khan	Ortho	Assist. Prof.						
69	Dr. Anas Ahmad Khan	Surgery	Assist. Prof.						
70	Dr. Kapil Rastogi	Ortho	Assist. Prof.						
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Head
Deptt. of Physiotherapy
Integral University, Lucknow

Integral University, Lucknow
Integral Institute of Allied Health Sciences & Research
Department of Physiotherapy

Date: 07-07-2016

Workshop Report

A two days hands on workshop on the topic **"Research Methodology and Biostatistics, using SPSS in Medical Sciences"** was conducted by the department of Physiotherapy, Integral University, Lucknow on 29th June to 05th July 2016.

Dr. Homnath Dhungana, Asst. professor, Department of Community Medicine, Integral Institute of Medical Sciences & Research (IIMS&R), Lucknow was the invited resource person.

Dr. Homnath provided in depth description regarding various technical aspects for handling SPSS Software. Dr. Homnath also discussed about various sections for statistical tests with respect to research type.

Faculty of Physiotherapy department was present at the workshop. Dr. Ashfaque Khan (PT), Principal, IIAHS&R & HoD department of physiotherapy expressed his gratitude to the speaker.

07/07/2016

(Dr. Ashfaque Khan)
Head, Physiotherapy

Dept. of Physiotherapy
Integral University, Lucknow.