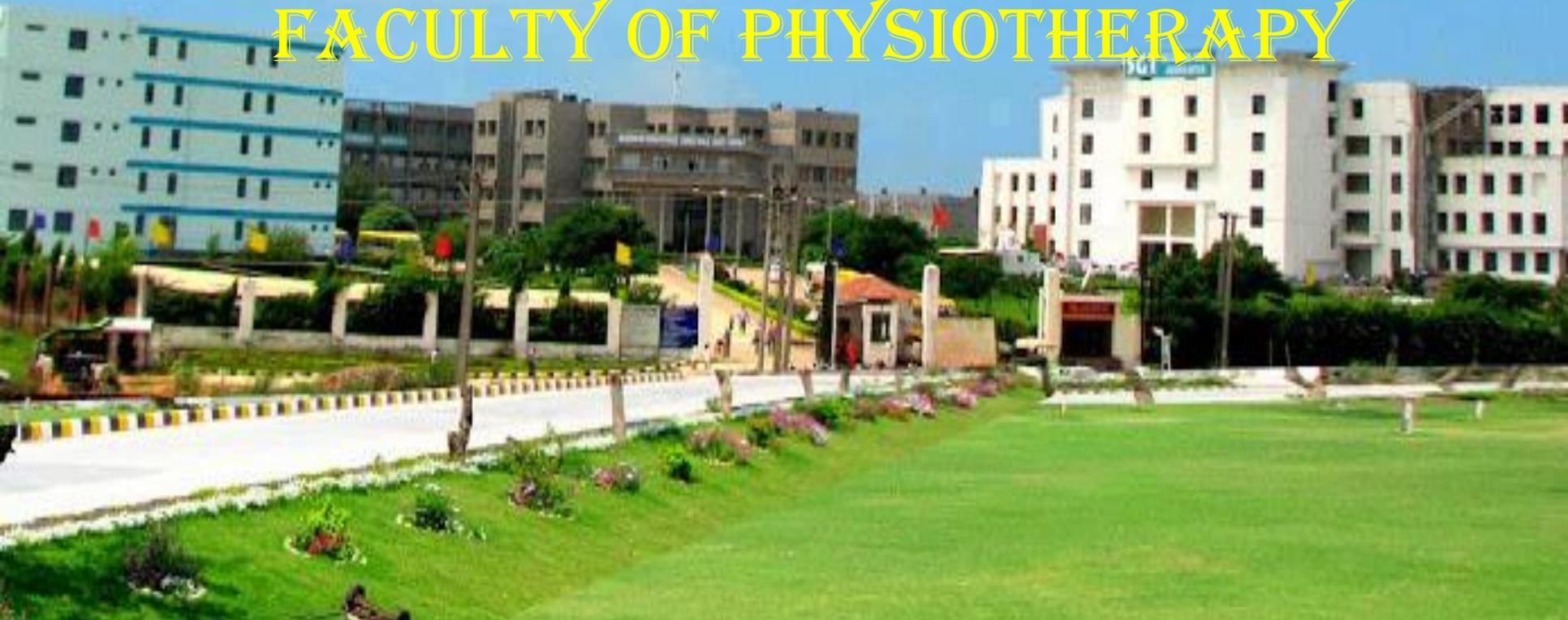




SGT UNIVERSITY

FACULTY OF PHYSIOTHERAPY





SYLLABUS & CURRICULUM

- Newer Teaching Methodologies
- Learning Objectives
- Latest techniques/Advanced Syllabus
- Theory/Practical Ratio 50 :50

2	JOINT STRUCTURE AND FUNCTION. BIOMECHANICS OF CONNECTIVE TISSUE	Describe the joint structure and function of joints And biomechanics of Connective tissue	To Cover 1. Joint design 2. Materials used in human joints 3. General properties of connective tissues 4. Human joint design 5. Joint function 6. Joint motion 7. General effects of disease, injury and immobilization 8. Biomechanics of Connective tissue- Ligament, tendon, cartilage, bone	Students Seminar Group Discussion Practical demonstration	6 Hrs.
3	MUSCLE STRUCTURE	Describe the muscle structure and	To Cover 1. Mobility and stability functions of muscles	Project Based Discussion Students	6 Hrs.

	AND FUNCTION.	function of muscles	2. Elements of muscle structure 3. Muscle function 4. Effects of immobilization, injury and aging	Interactive session	
4	Biomechanics of the Thorax and Chest wall	Describe the biomechanics of the thoracic and chest wall	To cover 1. General structure and function 2. Rib cage and the muscles associated with the rib cage 3. Ventilatory motions: its coordination and	Horizontal integrated teaching	5 Hrs.

4.	BIOMECHANICS	<ol style="list-style-type: none"> 1. BASIC CONCEPTS IN BIOMECHANICS 2. JOINT STRUCTURE AND FUNCTION 3. MUSCLE STRUCTURE AND FUNCTION 4. BIOMECHANICS OF THORAX AND CHEST WALL 5. TMJ 6. VERTEBRAL COLUMN 7. BIOMECHANICS OF PERIPHERAL JOINTS 8. POSTURE AND GAIT 	<p>MUST KNOW</p> <p>MUST KNOW</p> <p>MUST KNOW</p> <p>DESIRABLE TO KNOW</p> <p>DESIRABLE TO KNOW</p> <p>MUST KNOW</p> <p>MUST KNOW</p> <p>MUST KNOW</p>	<p>9</p> <p>6</p> <p>6</p> <p>5</p> <p>4</p> <p>10</p> <p>65</p> <p>15</p>
5.	PAMT	<ol style="list-style-type: none"> 1. ELECTRO DIAGNOSIS 2. ASSESSMENT AND EVALUATION 3. ASSESSMENT OF CARDIORESPIRATORY DYSFUNCTION 4. ASSESSMENT OF HAND 5. MANUAL THERAPY AND CLINICAL REASONING 6. MOTOR LEARNING AND MOTOR CONTROL 7. ASSESSMENT OF MOVEMENT DYSFUNCTION 8. INTERPRETATION OF VARIOUS INVESTIGATIONS 9. PAIN ASSESSMENT 	<p>MUST KNOW</p> <p>MUST KNOW</p> <p>MUST KNOW</p> <p>DESIRABLE TO KNOW</p> <p>MUST KNOW</p> <p>MUST KNOW</p> <p>MUST KNOW</p> <p>DESIRABLE TO KNOW</p> <p>MUST KNOW</p>	<p>6</p> <p>30</p> <p>7</p> <p>5</p> <p>30</p> <p>6</p> <p>7</p> <p>5</p> <p>4</p>
6.	EXERCISE THERAPY	<ol style="list-style-type: none"> 1. BASIC MECHANICS 2. INTRODUCTION 	<p>MUST KNOW</p> <p>MUST KNOW</p>	<p>6</p> <p>33</p>

MPT-

- CASE PRESENTATION
- JOURNAL PRESENTATION
- SEMINAR
- MICRO TEACHING
- PARTICIPATION IN CONFERENCES
- RESEARCH WORK

EXAMINATION PROCEDURE

- Annual exams
- Saturday as Assessment day for all batches
- Twice Internal Exams will be conducted
 - November
 - April

METHODS OF EVALUATION

Methods of Evaluation

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graph TD; A[Methods of Evaluation] --> B[Formative Assessment]; A --> C[Summative Assessment];
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Formative
Assessment

Summative
Assessment



STUDENT'S GROOMING

- Hands on training-50%theory+50% Practical
- Newer Teaching Methodologies
- Academic Excursions
- Language and Communication classes
- Workshops ,Seminars, Extension Lectures by renowned faculties from Industry

- 
- Participation of students in conferences/ seminars
 - ❑ Paper presentation
 - ❑ Quiz competition and other activities

FACULTY GROOMING

- Faculty Development Programmes
- Paper Presentations
- Attending Conferences
- Delivering talks and Seminars
- Attending Workshops

Regular postings/Visit of the staff in –

- Out Patient Department(OPD),
- IPD (In Patient Department)&
- ICU

*Updating themselves to the latest innovations/
technologies in the field of Physiotherapy*

RESEARCH WORK

- Undergraduate level
- Post graduate level
- Departmental level
- In collaboration with other faculties
- Research work going on as part of swaprerit budhera project

At least 2-3 Original Research Paper by each Faculty member per year

PUBLICATIONS IN ACADEMIC SESSION 2016-17

Deepak Raghav, Dr. Joginder Yadav², Dr. Sheetal Kalra. Effect of Thoraco-Lumbar Fascia Kinesio taping as a Therapeutic Intervention for Pain, Functional Disability in Non Specific Low Back Pain-A Pilot Study accepted for publication in Indian Journal of Health Sciences& Care

A Comparative study of Mulligan Mobilization , Cyriax Physiotherapy and Eccentric Training Program in Patients with Lateral Epicondylitis. Journal for Physiotherapy . Photon 130(2016) 113-126. ISJN:5019-3054.

Efficacy of Snags versus Deep Cervical Flexor Strengthening on dizziness in patient with Cervicogenic Dizziness. Journal for Physiotherapy . Photon 130(2016) 135-141. ISJN:5019-3054.

Sharma V, Yadav J, Kalra S. Effect of square stepping exercises versus strength and balance training on balance and risk of fall in elderly population. Journal for Physiotherapy.2016; 104:140-47.

Kalra S, Arora B, Pawaria S. Cross sectional survey of work related musculoskeletal disorders and associated risk factors among female farmers in rural areas of Gurgaon. Indian J Physiotherapy &Occupational therapy. 2016; 10(2);149-154

Kalra S, Pawaria S. Arora B. A study on Cardio respiratory fitness of Physiotherapy students accepted for publication in Photon Journal for Physiotherapy.

Sharma V, Kalra S. Pawaria S. Manual Physical Therapy in Patients with Myofascial Pain in Upper Trapezius: A Case Series.Indian J Physiotherapy&Occupational Therapy. 2016;10(4):66-70.

Sharma V, Yadav J, Kalra S. Effect of square stepping exercises versus strength and balance training on balance and risk of fall in elderly population. Journal for Physiotherapy.2016; 104:140-47.

•Raghav M, Yadav J, Kalra S. Effect of adding specific hip strengthening exercises to traditional knee exercises in patients with Patellofemoral Pain Syndrome. International Journal of Physiotherapy. 2016;3(1): 15-21.

•Tikoo S, Arora B, Kalra S. A comparative study of PNF versus Progressive resisted exercises on strength and balance in patients with diabetic neuropathy. Photon Journal of Neurology. 2016;104:140-147.

•Saini K, Sonia, Kalra S. Respiratory response to Bi PAP aided upper limb exercise in hypercapnic COPD patients. Journal of Lung, Pulmonary & Respiratory Research. 2016; 3 (1).

•Kalra S, Pal S, Pawaria S. Correlational study of chronic neck pain and hand grip strength in Physiotherapy Practitioners. Inti J of Yoga , Physiotherapy and Physical education. 2017;2(4):30-32.

•Pawaria S, Kalra S, Pal S. A study on cardiorespiratory fitness of Physiotherapy Students. Inti J of Yoga , Physiotherapy and Physical education. 2017;2(4):22-24.

•Deepak Raghav, Dr. Joginder Yadav², Dr. Sheetal Kalra. Effect of Thoraco-Lumbar Fascia Kinesio taping as a Therapeutic Intervention for Pain, Functional Disability in Non Specific Low Back Pain-A Pilot Study accepted for publication in Indian Journal of Health Sciences & Care

•Sharma V, Kalra S, Pawaria S. Manual Physical Therapy in patients with Myofascial pain in upper trapezius: A Case series. Indian Journal of Physiotherapy & Occupational Therapy. 2016; 10(4): 67-71.

•Kalra S, Pal S, Pawaria S. Correlational study of chronic neck pain and hand grip strength in Physiotherapy Practitioners. Inti J of Yoga , Physiotherapy and Physical education. 2017;2(4):30-32.

•Pawaria S, Kalra S, Pal S. A study on cardio respiratory fitness of Physiotherapy Students. Inti J of Yoga , Physiotherapy and Physical education. 2017;2(4):22-24

•Motor Imagery in Gait & balance Rehabilitation for post stroke Hemiparesis. JOURNAL NAME: **Global journal for research analysis**

- Recovery from temporomandibular joint dysfunction : An overview of different physiotherapy approaches.JOURNAL NAME : **International Journal of yoga, physiotherapy and physical education**
- Cervical Spondylosis or thoracic outlet syndrome ; an enigma : case report JOURNAL NAME : **International Journal of yoga, physiotherapy and physical education**
- Efficacy on locomotor ability with dual task in diabetic neuropathy.JOURNAL NAME : **Indian Journal of Health Sciences & Care**
- Efficacy of Snags versus Deep Cervical Flexor Strengthening on dizziness in patient with Cervicogenic Dizziness. Journal for Physiotherapy . Photon 130(2016) 135-141. ISJN:5019-3054.
- Effect of PNF and Joint Mobilization along with Ultrasound on Abduction and External Rotation Range of Motion in patients with Frozen Shoulder . **Accepted** for publication in International Journal of Yoga, Physiotherapy and Physical Education. UGC Approved journal , Accepted.
- Efficacy on Locomotor ability with dual task in Diabetic Neuropathy . **Accepted** in Indian Journal of Health Sciences and Care. Accepted.
- Recovery from Temporomandibular Joint Dysfunction : An overview of different Physiotherapy approaches **Accepted** for publication in International Journal of Yoga, Physiotherapy and Physical Education. UGC Approved journal , Accepted.

COLLABORATION FOR STUDENTS INTERNSHIP AND TRAINING FOR BETTER EXPOSURE

- Spastic Society of Gurgaon Sec 4
- Karate Academy of Gurgaon
- Indian Spinal Injuries Centre, Vasant Kunj
- Fortis Max Hospital , New Delhi

In Pipeline-

- Collaboration with Binawan Institute of Health Sciences, Jakarta
- Aisyiah Pontiana College Indonesia

- Boxing Academy of Gurgaon

•Book publication on Effect of Mobilization and Resistance Training on patients with OA. ISBN No- 978-3-659-90473-8 .Lambert Academic Publishing , managed by Omni Scriptum Management GmbH, Saarbrucken, Germany. Available online at www.morebooks.de, www.shuyuan.sg.

•*Mohit Gulati. "Morbidity Pattern and Outcome of Swa- Prerit Adrash Gram Yojana Health Project Interventions among Rural Population, Gurugram, Haryana"* is accepted for publication in Indian Journal of Health Sciences and Care.

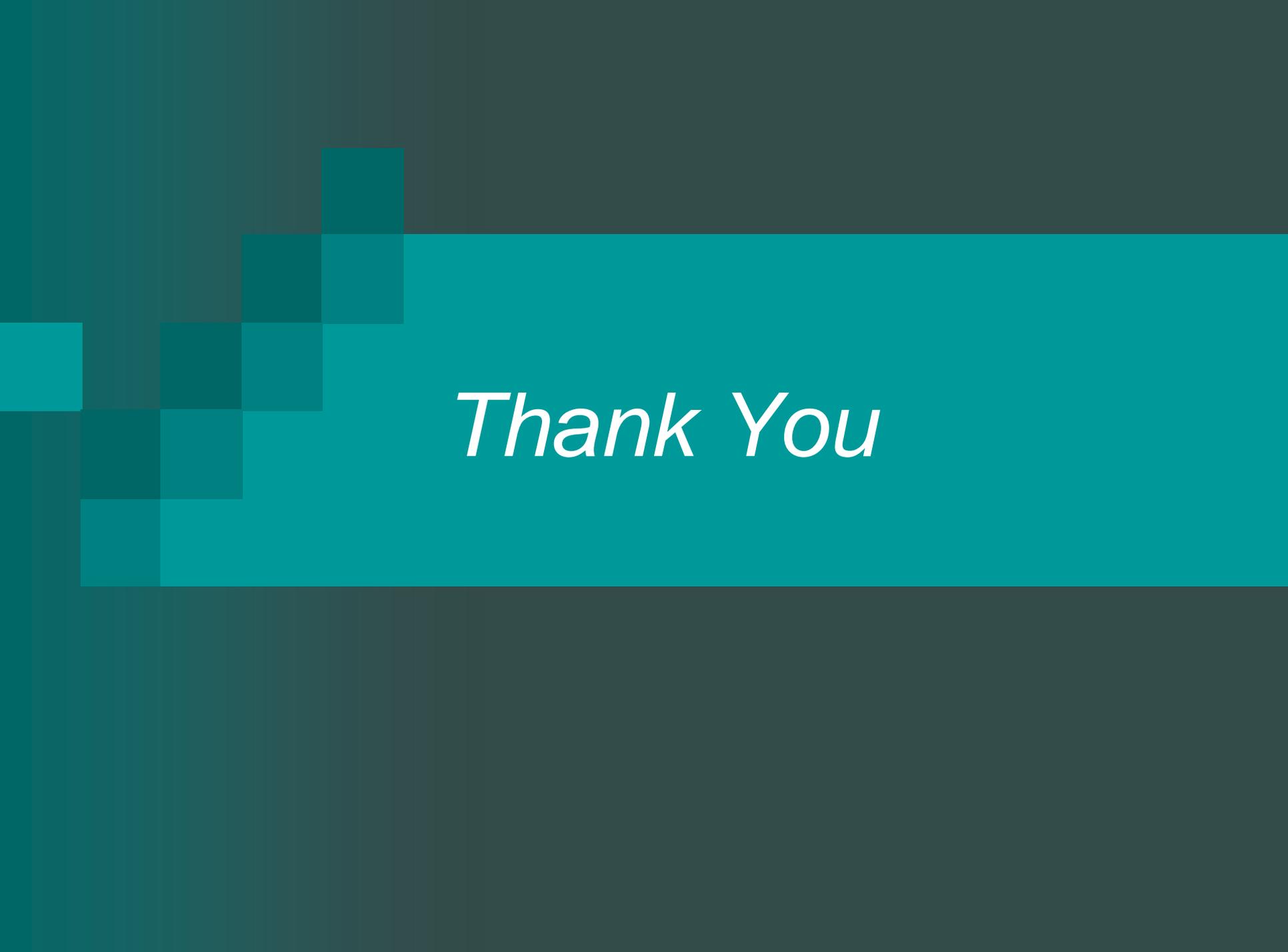
•*Mohit Gulati. "Comparative morbidity & health seeking behaviour among school children of Government and Public rural schools"* is accepted for publication in Indian Journal of Health Sciences and Care.



➤ *PhD ENROLMENT*

➤ *RESEARCH PROJECTS FOR FUNDING BY GOVT AGENCIES*

➤ *INNOVATIONS*

The image features a dark teal background. On the left side, there is a decorative graphic consisting of a grid of squares in various shades of teal, arranged in a pattern that tapers to the right. The text "Thank You" is centered in the middle of the image in a white, italicized serif font.

Thank You