



**P.K.R. ARTS COLLEGE FOR WOMEN, GOBI**  
Re-Accredited with 'A' Grade by NAAC  
Autonomous Institution-Affiliated to Bharathiar University

Hands-On Training on Graph with GRIN Software

 **P.K.R. ARTS COLLEGE FOR WOMEN**  
Gobichettipalayam | Erode  
Bharathiar University | UGC Approved  
AICTE Approved | 'A' Grade | Autonomous





## **Department of Mathematics**

Organises

# **Hands-on Training on Graph with GRIN**



**Resource Person**  
**Dr. G. Priyadharsini**  
**Assistant professor,**  
**Department of Mathematics,**  
**Kongu Arts and Science College (Autonomous)**  
**Erode.**

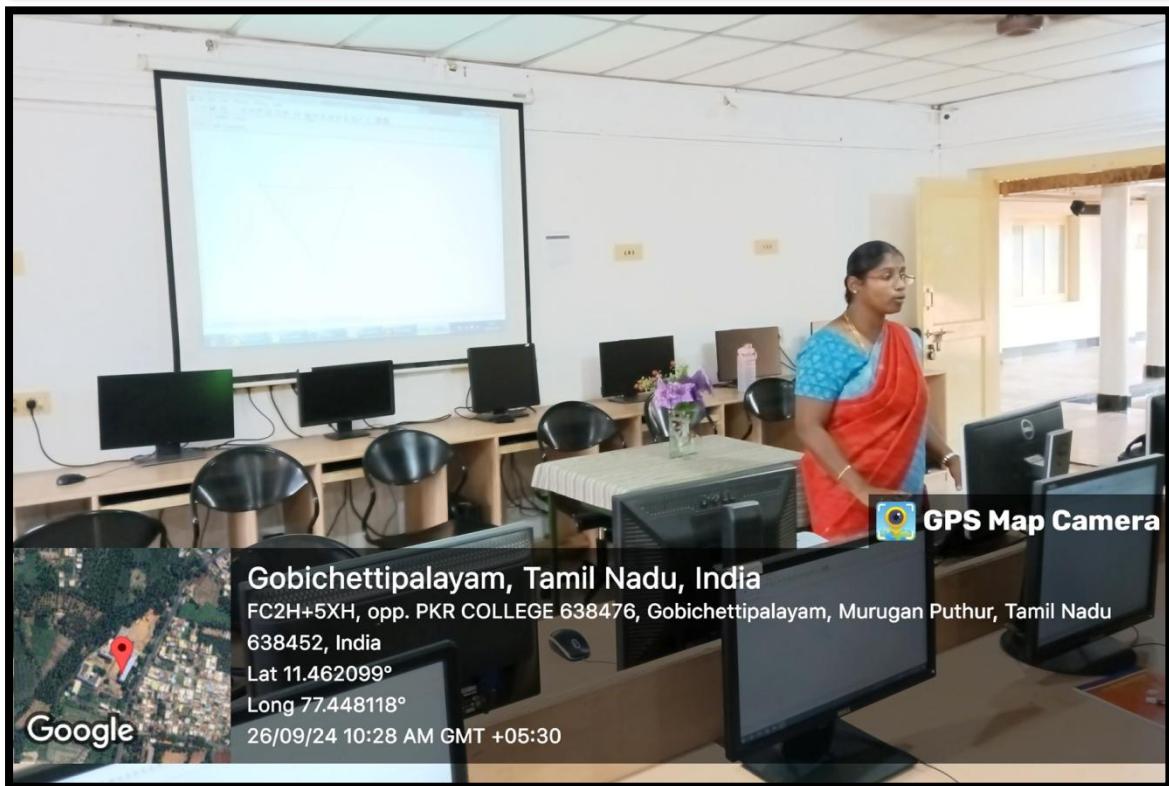
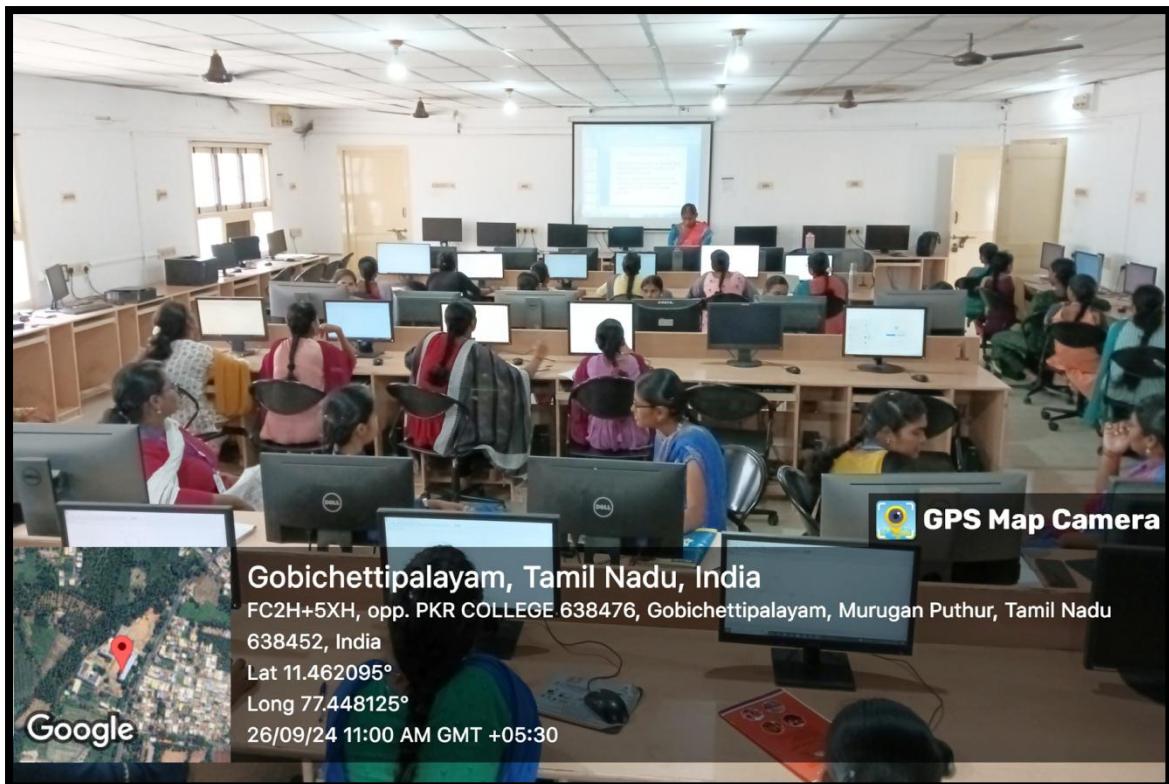
**SEP** | **26<sup>th</sup>** | **2024**

**Time: 10.00 a.m.**      **Venue: PG 3 LAB**



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**Report on Hands-On Training on Graph with GRIN Software**

**Date** : 26.09.2024

**Venue:** UG LAB

**Time :** 10:00 A.M

**Chief Guest:** Dr. G. Priyadharsini, Assistant Professor, Department of Mathematics, Kongu Arts and Science College (Autonomous), Erode

**Objective of the Programme:**

The objective of this hands-on training was to equip students with practical knowledge of the GRIN software, enabling them to understand and apply key concepts of graph theory. The session aimed to provide a comprehensive understanding of drawing vertices, edges, and various types of graphs, as well as to foster analytical thinking and problem-solving skills related to graph theory.

**Content:**

The session began with a warm welcome by Ms. Sasmita, a III B.Sc. Mathematics student, and an inaugural address by Ms. R. Jayalakshmi, Head of the Department of Mathematics. Dr. G. Priyadharsini, the resource person, conducted a detailed, step-by-step demonstration of the GRIN software. She began with basic commands such as drawing a vertex and an edge, gradually progressing to more complex concepts.

Throughout the training, Dr. Priyadharsini covered important graph theory terminologies, including Hamiltonian graphs, Eulerian graphs, and the Peterson graph. She ensured the students were engaged, allowing them to practice alongside her, thereby reinforcing the concepts. Her clear explanations helped the participants understand the practical applications of the software, from its fundamental functions to advanced features. The event concluded with a positive feedback from the students, who found the training both insightful and engaging. They appreciated the interactive format, which allowed them to directly apply the concepts being taught and formally vote of thanks delivered by Ms. K. Mekala of III B.Sc. Mathematics.

**No. of Beneficiaries:** 38 Students and 10 faculty members

**Outcome of the Programme:**

As a result, the students gained hands-on experience with GRIN software and a better understanding of graph theory. This training session has significantly enhanced their practical skills in graph visualization and problem-solving.

**Organizing Secretary:** Ms.S.Mayuri

*R. Jayalakshmi*  
26/09/24  
**Mrs.R.JAYALAKSHMI**  
Assistant Professor and Head  
Department of Mathematics  
P.K.R. Arts College for Women (Autonomous)  
Gobichettipalayam - 638 476.

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**DEPARTMENT OF MATHEMATICS**

**Programme Name: Hands on Training On Graph With Grin Software**

Date : 26.09.2024

Time : 10.00 am

Class : I,II, III BSc Mathematics & I,II M.Sc Mathematics

**Attendance Sheet**

S.NO	REG. NUMBER	NAME	SIGNATURE
<b>I BSc Mathematics</b>			
1.	241MA001	ANUPRIYA.S	S. Anupriya.
2.	241MA002	BOOMIKA.S	S. Boomika.
3.	241MA003	GOWRI.V	V. Gowri.
4.	241MA004	HARINI.C	C. Harini.
5.	241MA005	HARI CHANDRA.V	Hari. V.
6.	241MA006	KOWSALYA.M	M. Kowsalya.
7.	241MA007	NARMATHA.A	Narmatha. A.
8.	241MA008	POORNIMA SRI.K	J. Poornima.
9.	241MA009	ROOBINI.M	— ON DUTY —
10.	241MA010	SAKTHI.M	M. Sakthi.
11.	241MA011	THANIKA.R	R. Thanika.
12.	241MA012	YOGAVARSHINI.J	J. yogav.
<b>II BSc Mathematics</b>			
13.	231MA001	AGHILAA A S	Aghilaa
14.	231MA002	GOWTHAMI M	Gowthami.
15.	231MA003	MANJU SREE R	R. Manju Sree
16.	231MA004	NIVEDITHA S	Niveditha.
17.	231MA005	PARNIKA V A	V. A. Parnika
18.	231MA006	PECHIYAMMAL S	Pechiyammal
19.	231MA007	SANGAMITHRA M	— ABSENT —
20.	231MA008	SENBAGAVALLI A	A. Sembagavalli
21.	231MA009	SHALINI S	— ABSENT —
<b>III BSc Mathematics</b>			
22.	221MA001	ARCHANA G	— ABSENT —
23.	221MA002	DHARANYA M	M. Dharanya
24.	221MA003	ELAKIYA R	Elay.
25.	221MA004	HARISREE K	K. Harisree
26.	221MA005	HEMADHARSHINI M	Hemadharshini.

27.	221MA006	INDHU S	<i>D. Indhu</i>
28.	221MA007	KALIGADEVI M	<i>M. I. S.</i>
29.	221MA008	KEERTHANA P S	— ON DUTY —
30.	221MA010	MANO SHREE S A S	<i>Ma. S. S.</i>
31.	221MA011	MEKALA K	<i>Mekala</i>
32.	221MA012	PUNITHA T	<i>Punitha</i>
33.	221MA013	RANJINI R	<i>Ranjini</i>
34.	221MA014	SASMITHA M	<i>M. Sasmita</i>
35.	221MA015	SRINIDHI E	<i>Srinidhi</i>
<b>I MSc Mathematics</b>			
36.	242MA001	ELAMATHI K	<i>K. Elamathi</i>
<b>II MSc Mathematics</b>			
37.	232MA001	KAILAINAYAKI S	<i>S. Kailai</i>
38.	232MA002	KAMINI S	<i>S. Kamini</i>
39.	232MA003	KANISADEVI Y	<i>J. Kanisadevi</i>
40.	232MA004	KEERTHANA R	<i>R. Keerthana</i>
41.	232MA005	NAVEENA P	<i>Naveena</i>
42.	232MA006	NIVETHA N	— ON DUTY —
43.	232MA007	SUVETHA V	<i>S. Suveetha</i>
44.	232MA008	VIPIKSHA K S	<i>S. Vipiksha</i>

NO. OF STUDENTS ATTENDED: 38

  
26/9/24  
PROGRAMME COORDINATOR SIGNATURE

(S. MAYURI)

  
26/9/24  
HOD SIGNATURE

**Mrs. R. JAYALAKSHMI**  
Assistant Professor and Head  
Department of Mathematics  
P.K.R. Arts College for Women (Autonomous)  
Gobichettipalayam - 638 476.