



# Indra Ganesan

**COLLEGE OF ENGINEERING**  
Madurai Main Road (NH-45B), Manikandam, Trichy-12.  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

**DEPARTMENT INFORMATION TECHNOLOGY**

Academic Year 2018-19 ODD semester

17.09.2018

## CIRCULAR

Department of Information Technology in association with IGCE are going to organize one day Research Methodology Seminar on "Application of Database Queries in Automated Reasoning" for II, III and IV year students of IT on 27.09.2018. Certificates will be issued to all participants at the end of the course.


Resource Person	Mr.S.Karthikeyan, Manager, Uniq Technololgies Pvt, Ltd, Chennai
Venue	IT Seminar Hall, IGCE

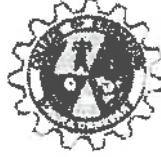
  
HOD/IT

  
PRINCIPAL

Cc:

- Principal office
- Class In Charges-III & IV-Year
- III & IV-Year IT Students
- Office File
- Notice Board

  
**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.



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**DEPARTMENT OF INFORMATION TECHNOLOGY**

*In association with IGCE Cordially*

*invites,*

One day Research Methodology

Seminar

On

**“Application of Database Queries in Automated Reasoning”**

Date :27.09.2018

Venue: IT Seminar Hall

**Resource Person**

**Mr.S.Karthikeyan,**

**Manager,**

**Uniq Technolgies Pvt, Ltd,  
Chennai**

**In the esteemed presence of**

**Mrs.K.Uthradevi**  
HOD/IT

**Dr. G. Balakrishnan**  
Director

**Dr. S.BharathiRaja**  
Principal

**Er. G.Rajasekaran**  
Secretary

**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.



**Indra Ganesan**  
**COLLEGE OF ENGINEERING**  
Madurai Main Road (NH-48B), Manikandam, Trichy-12.  
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**DEPARTMENT OF INFORMATION TECHNOLOGY**

**AGENDA**

**One day Research Methodology  
Seminar**

**On**

**“Application of Database Queries in Automated Reasoning”**

Date : 27.09.2018

TIME: 10.00am

VENUE : IT Seminar Hall

**Welcome Address&**

**Chief Guest Introduction** :Mrs.K.Uthradevi – HoD/IT

**Resource person** :Mr.S.Karthikeyan, Manager,  
Uniq Technolgies Pvt, Ltd,  
Chennai.

**Topics** : Application of Database Queries in Automated  
Reasoning.

**Forenoon** : Session –I (Introduction of Database Queries)

**Afternoon** : Session – II (Automated Reasoning in Database queries)

**Vote of Thanks** : Mrs.M.Karthiga, Assistant Professor/ IT

**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal  
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DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2018-19 / ODD SEMESTER

One Day Research Methodology  
Seminar on

“Application of Database Queries in Automated Reasoning”

Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal

## STUDENTS LIST

Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

Date: 27.09.2018

S.NO	Register Number	Name	Dept / Year
1	811215205001	Aishwarya. R	IT / IV
2	811215205002	Akila. N	IT / IV
3	811215205003	Anbuselvi. R	IT / IV
4	811215205004	Anitha. A	IT / IV
5	811215205005	Anitha. R	IT / IV
6	811215205007	Ashila Banu. M	IT / IV
7	811215205009	Chithira. M	IT / IV
8	811215205010	Deepalakshmi. N	IT / IV
9	811215205011	Dhanalakshmi. D	IT / IV
10	811215205012	Dhivya. S	IT / IV
11	811215205013	Ganga Devi. V	IT / IV
12	811215205014	Gayathri. B	IT / IV
13	811215205016	Greeshma. V	IT / IV
14	811215205017	Jency Delphina. S	IT / IV
15	811215205018	Karan. K	IT / IV
16	811215205019	Keerthana. M	IT / IV
17	811215205020	Kiruthika. G	IT / IV
18	811215205021	Manikandan. R	IT / IV
19	811215205022	Mathan Sam Raj. M	IT / IV
20	811215205023	Menaka. K	IT / IV
21	811215205024	Nandhini. S	IT / IV
22	811215205025	Nooril Meena. M	IT / IV
23	811215205026	Pavithra. L	IT / IV
24	811215205027	Priyadarshini. S	IT / IV
25	811215205028	Pushpa. C	IT / IV
26	811215205029	Sagaya Rani. R	IT / IV
27	811215205030	Sathish Kumar. G	IT / IV

S.NO	Register Number	Name	Dept / Year
28	811215205032	Siddika Banu. S	IT / IV
29	811215205033	Suvetha. J	IT / IV
30	811215205034	Vanmathi. A	IT / IV
31	811215205035	Victoriaezilarasi.A	IT / IV
32	811215205036	Vijaya. K	IT / IV
33	811215205037	Vijayalakshmi. B	IT / IV
34	811215205038	Vimalraj. R	IT / IV
35	811215205301	Arunachalam .K	IT / IV
36	811216205001	Anusuya Devi R	IT / III
37	811216205003	Balambigai A	IT / III
38	811216205004	Bharath C	IT / III
39	811216205005	Boopalan K	IT / III
40	811216205006	Jeevamani M	IT / III
41	811216205007	Jeyapriya D	IT / III
42	811216205008	Kalaiyarasi N	IT / III
43	811216205009	Kanagavalli J	IT / III
44	811216205010	Keerthika R	IT / III
45	811216205011	Krishnan K	IT / III
46	811216205012	Muthulakshmi P	IT / III
47	811216205013	Nandhini C	IT / III
48	811216205014	Nelson	IT / III
49	811216205015	Parameshwari K	IT / III
50	811216205016	Poovaragavan	IT / III
51	811216205017	Priyadharshini A	IT / III
52	811216205018	Radhika M	IT / III
53	811216205019	Roshini A	IT / III
54	811216205020	Rubini K	IT / III
55	811216205022	Savithri S	IT / III
56	811216205023	Selvapathi V	IT / III
57	811216205024	Sivakavi S	IT / III
58	811216205025	Sivakumar S	IT / III
59	811216205026	Thanisha S	IT / III
60	811216205027	Thasthagir S	IT / III
61	811216205028	Victoriyarani T	IT / III
62	811216205029	Vidhyasri M	IT / III
63	811216205030	Wasim Akram M	IT / III
64	811216205501	Aravindhan S	IT / III
65	811217205001	Anitha G	IT / II
66	811217205002	Balaji V	IT / II
67	811217205003	Gopal P	IT / II
68	811217205004	Hariharan S	IT / II
69	811217205005	Karthick A	IT / II
70	811217205006	Lisha Y	IT / II
71	811217205007	Lokeshwaran V	IT / II



**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

S.NO	Register Number	Name	Dept / Year
72	811217205008	Merciya Mary A	IT / II
73	811217205009	Mohamed Riyaj Khan M	II/IT
74	811217205010	Mukesh Kanna S	II/IT
75	811217205011	Pakkiyalakshmi A	II/IT
76	811217205013	Sankar C	II/IT
77	811217205015	Santhiya K	II/IT
78	811217205016	Saranya C	II/IT
79	811217205017	Sudhahar S	II/IT
80	811217205018	Swetha K	II/IT
73	811217205009	Mohamed Riyaj Khan M	II/IT
74	811217205010	Mukesh Kanna S	II/IT
75	811217205011	Pakkiyalakshmi A	II/IT
76	811217205013	Sankar C	II/IT
77	811217205015	Santhiya K	II/IT
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79	811217205017	Sudhahar S	II/IT
80	811217205018	Swetha K	II/IT



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IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.

  
RM Coordinator

  
HOD/IT





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DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2018-19 / ODD SEMESTER

One Day Research Methodology  
Seminar on

“Application of Database Queries in Automated Reasoning”

## STUDENTS PARTICIPATION LIST

Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal

Indra Ganesan College of Engineering,  
16 Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

Date: 27.09.2018

S.NO	Register Number	Name	Year	Signature
1	811215205001	Aishwarya. R	IV	R. Aishwarya
2	811215205002	Akila. N	IV	Akila. N
3	811215205003	Anbusevi. R	IV	Anbusevi. R
4	811215205004	Anitha. A	IV	Anitha. A
5	811215205005	Anitha. R	IV	Anitha. R
6	811215205007	Ashila Banu. M	IV	Ashila Banu. M
7	811215205009	Chithira. M	IV	Chithira. M
8	811215205010	Deepalakshmi. N	IV	Deepalakshmi. N
9	811215205011	Dhanalakshmi. D	IV	Dhanalakshmi. D
10	811215205012	Dhivya. S	IV	Dhivya. S
11	811215205013	Ganga Devi. V	IV	Ganga Devi. V
12	811215205014	Gayathri. B	IV	Gayathri. B
13	811215205016	Greeshma. V	IV	Greeshma. V
14	811215205017	Jency Delphina. S	IV	Jency Delphina. S
15	811215205018	Karan. K	IV	Karan. K
16	811215205019	Keerthana. M	IV	Keerthana. M
17	811215205020	Kiruthika. G	IV	Kiruthika. G
18	811215205021	Manikandan. R	IV	Manikandan. R
19	811215205022	Mathan Sam Raj. M	IV	Mathan. M
20	811215205023	Menaka. K	IV	Menaka. K
21	811215205024	Nandhini. S	IV	Nandhini. S
22	811215205025	Nooril Meena. M	IV	Nooril Meena. M
23	811215205026	Pavithra. L	IV	Pavithra. L
24	811215205027	Priyadharshini. S	IV	Priyadharshini. S

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25	811215205028	Pushpa. C	IV	Pushpa
26	811215205029	Sagaya Rani. R	IV	Sagaya Rani
27	811215205030	Sathish Kumar. G	IV	Sathish. G.
28	811215205032	Siddika Banu. S	IV	Siddika Banu
29	811215205033	Suvetha. J	IV	Suvetha
30	811215205034	Vanmathi. A	IV	Varmathie
31	811215205035	Victoriaezilarasi.A	IV	Victoria. A
32	811215205036	Vljaya. K	IV	Vjaya. K
33	811215205037	Vijayalakshmi. B	IV	Vijayalakshmi. B.
34	811215205038	Vimalraj. R	IV	Vimalraj. R.
35	811215205301	Arunachalam .K	IV	Arunachalam. K
36	811216205001	Anusuya Devi R	III	Anusuya. R.
37	811216205003	Balambigal A	III	Balambigal. A
38	811216205004	Bharath C	III	Bharath. C
39	811216205005	Boopalan K	III	Boopalan. K.
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41	811216205007	Jeyapriya D	III	Jeyapriya
42	811216205008	Kalayarasi N	III	Kalayarasi. N.
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45	811216205011	Krishnan K	III	Krishnan. K.
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47	811216205013	Nandhini C	III	Nandhini. C.
48	811216205014	Nelson	III	Nelson
49	811216205015	Parameshwari K	III	Parameshwari. K.
50	811216205016	Poovaragavan	III	Poovaragavan.
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52	811216205018	Radhika M	III	Radhika. M.
53	811216205019	Roshini A	III	Roshini
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55	811216205022	Savithri S	III	Savithri. S.
56	811216205023	Selvapathi V	III	Selvapathi. V.
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58	811216205025	Sivakumar S	III	Sivakumar. S.
59	811216205026	Thanisha S	III	Thanisha. S.
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62	811216205029	Vidhyasri M	III	Vidhyasri. M.
63	811216205030	Wasim Akram M	III	Wasim. M.
64	811216205501	Aravindhan S	III	Aravindhan. S.
65	811217205001	Anitha G	III	Anitha. G.
66	811217205002	Balaji V	II	Balaji. V.
67	811217205003	Gopal P	II	Gopal. P.
68	811217205004	Hariharan S	II	Hariharan. S.

**Dr. G. Balakrishnan, M.E., Ph.D.,**  
 Principal  
 Indra Ganesan College of Engineering  
 IG Valley, Madurai Main Road  
 Manikandam, Trichy-620 012.



S.NO	Register Number	Name	Year	Signature
69	811217205005	Karthick A	II	Karthick A
70	811217205006	Lisha Y	II	Lisha
71	811217205007	Lokeshwaran V	II	Lokesh.V
72	811217205008	Merciya Mary A	II	Mary A
73	811217205009	Mohamed Riyaj Khan M	II	Mohamed Khan .M.
74	811217205010	Mukesh Kanna S	II	Mukesh.S
75	811217205011	Pakkiyalakshmi A	II	Pakkiyalakshmi A.
76	811217205013	Sankar C	II	Sankar . C
77	811217205015	Santhiya K	II	Santhiya . K
78	811217205016	Saranya C	II	Saranya
79	811217205017	Sudhahar S	II	Sudhahar . S
80	811217205018	Swetha K	II	Swetha K
73	811217205009	Mohamed Riyaj Khan M	II	Mohamed Khan .M.
74	811217205010	Mukesh Kanna S	II	Mukesh Kanna . S
75	811217205011	Pakkiyalakshmi A	II	Pakkiyalakshmi A
76	811217205013	Sankar C	II	Sankar . C
77	811217205015	Santhiya K	II	Santhiya
78	811217205016	Saranya C	II	Saranya
79	811217205017	Sudhahar S	II	Sudhahar . S
80	811217205018	Swetha K	II	Swetha



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Indra Ganesan College of Engineering

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Manikandam, Trichy-620 012.

  
RM Coordinator

  
HOD/IT



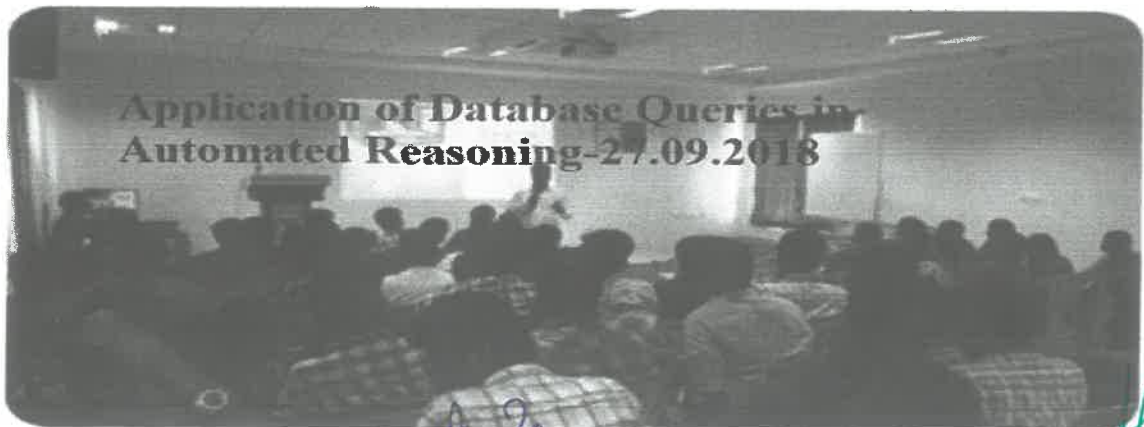
## Report on One day Research Methodology Seminar

Title:	One Day Research Methodology Seminar on “Application of Database Queries in Automated Reasoning”				
Resource Person:	Mr.S.Karthikeyan, Manager, Uniq Technolgies Pvt, Ltd, Chennai				
Date of conduct from:	27.09.2018	To:	-	Duration:	1 Day
Organized Department:	INFORMATION TECHNOLOGY				
Participant Year:	2,3,4	No.of Students Registered:	80		
Venue:	IT Seminar Hall				

### Outcome of the RM :At the end of the Course, Students can able to

- Construct SQL Queries using relational algebra
- Design database using ER model and normalize the database
- Construct queries to handle transaction processing and maintain consistency of the database
- Compare and contrast various indexing strategies and apply the knowledge to tune the performance of the database
- Appraise how advanced databases differ from Relational Databases and find a suitable database for the given requirement.
- Illustrate the databse queries in automated reasoning.

### Glimpse from the event.



  
RM Coordinator

  
HoD/IT

  
Principal

**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal

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## CERTIFICATE

This is to certify that Ms.S.Divya of IV YEAR IT has participated in the **One Day Research Methodology Seminar on Application of Database Queries in Automated Reasoning** organized by **INFORMATION TECHNOLOGY** in association with **IGCE** on 27/09/2018 during the Academic Year 2018 -2019.

  
HOD/IT



Dr. G. Balakrishnan, M.E., Ph.D.,  
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IG Valley, Madurai Main Road  
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PRINCIPAL



# Indra Ganesan

**COLLEGE OF ENGINEERING**

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## CERTIFICATE

*This is to certify that Mr.K.KRISHNAN of III YEAR IT has participated in the One Day Research Methodology Seminar on **Application of Database Queries in Automated Reasoning** organized by INFORMATION TECHNOLOGY in association with IGCE on 27/09/2018 during the Academic Year 2018 -2019.*

  
HOD/IT

  
Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

  
PRINCIPAL




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## CERTIFICATE

*This is to certify that Ms.C.Saranya of II YEAR IT has participated in the One Day Research Methodology Seminar on **Application of Database Queries in Automated Reasoning** organized by INFORMATION TECHNOLOGY in association with IGCE on 27/09/2018 during the Academic Year 2018 -2019.*

  
HOD/IT

  
Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

  
PRINCIPAL