

# Sadakathullah Appa College

\*An Autonomous Institution, Re-Accredited by NAAC at an 'A' Grade, \*ISO 9001: 2018 Certified\*

#### **CRITERION III**

#### RESEARCH, INNOVATION AND EXTENSION

#### 3.7.1. Collaborative Activities

(2018 - 2019)

Submitted to

THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)

August 2022



Rahmath Nagar, Tirunelveli-627 011. Ph : 0462-2540763, Fax: 0462-2540033 E-mail: principal@sadakath.ac.in, Website : www.sadakath.ac.in



# Sadakathullah Appa College

\*An Autonomous Institution, Re-Accredited by NAAC at an 'A' Grade, \* ISO 9001: 2015 Certified \*

#### **CRITERION III**

#### RESEARCH, INNOVATION AND EXTENSION

#### 3.7.1. Collaborative Activities

3.7.1 Number of Collaborative Activites Per year for research/faculty exchange/student exchange/internship/on-the-job training/project work

2018-19

211

Principal
PRINCIPAL
SADAKATHULLAH APPA COLLEGE
Rahmath Nagar, TIRUNELVELI - 627 011.





# Sadakathullah Appa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

	Name of the Faculty with	T	: Dr. J. Ubaiyathulla
	Designation, Staff ID		Asst. Professor of Arabic
2			ATAR01
_	Name of the Collaborating Faculty	1	: Mr. M. SEYID ABDUL KADHER
	with Designation		Asst. Professor and Head,
			Department of Arabic.
_			HKRH College, Uthamapalayam-625 533
3	Name of the Collaborating		
	Organization		Uthamapalayam-625 533
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)		Academic
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)		BoS Subject Expert - UG Arabic
	Period of Collaboration	:	From: 27.12.2018 To: 26.12.2020
	Financial Involvement (if any)	:	Nil
	Proof Attached	:	Yes .
gnati	ure of Principal Signature of th	e C	ollaborating Faculty Signature of the Faculty
)		,	5. vojetinke



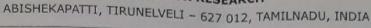
# SadakathullahAppa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

		1:	Dr.S.M.A. Syed Mohamed Khaja, STCO01
1	Name of the Faculty with Designation, Staff ID		Assistant Professor and Head,  Department of Commerce
	Designation, Start 13		Sadakathullah Appa College(Autonomous),
			Tirunelveli
		13	Dr.T.S.Subbulakshmi
2	Name of the Collaborating Faculty with Designation		Assistant Professor, Department of Commerce,
			Sri Parama Kalyani College, Alwarkurichi
3	Name of the Collaborating Organization		Sri Parama Kalyani College, Alwarkurichi
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)	:	Research
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)		Co-guide Co-guide
6	Period of Collaboration	**	From: 10.01.2018 To: 10.01.2021
7	Financial Involvement (if any)	:	
3	Proof Attached	**	Yes
Si	gnature of Principal Signature of T.S. Su	the	Collaborating Faculty Signature of the Faculty Gulandini.



## MANONMANIAM SUNDARANAR UNIVERSITY

#### CENTRE FOR RESEARCH





#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/R1/JANUARY2018

Date: January 19, 2018

#### Ph.D., Programme Commencement Order

ULAGAMMAL V

53,SHAFA GARDEN, ANAIYARKULAM,, PERUMALPURAM

Tamil Nadu, Thirunelveli, Pincode - 627007

Mobile No.: 9942280465, Email ID: ulagammalv1980@gmail.com

#### Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below :

1. Name of the Scholar

: ULAGAMMAL V

2. Registration No.

: 18121191012004

3. Discipline

: Commerce

4. Gender

: Female

Social Category (Community)

6. Nationality

: INDIAN

7. PWD Status

: Not Applicable

8. Admission Based On

: M.Phil

9. Name of the Supervisor

: Dr. T.S. SUBBULAKSHMI : DR S M A SYED MOHAMED KHAJA

10. Name of the Co-Supervisor

: PART TIME INTERNAL

12. Research Centre

11. Mode

: Sadakathullah Appa College, Tirunelvell.

13. Date of Commencement

: 10.01.2018

14. Proposed Title

: A study on job satisfaction and organizational citizenship behaviour among school teachers in Tirunelveli district

15. Doctoral Commmittee Members Details

: 1. DR R SIVASANKARI

Assistant Professor, Department of Commerce, Sri

ParamaKalyani College, Alwarkurichi

Mobile No.: 9952692660, Email ID: sankarispkc@gmail.con

2. DR E ANGELSARAL ROSE

Assistant Professor, Department of Commerce, Sarah Tucker

College,Palyamkottai

Mobile No.: 8608764431, Email ID: angeljeff.rose1982@gmail.com

Phone: 0462 - 2333741, 2338721, 9487999692, 9487907000, FAX: 2322973, Website: msuniv.ac.in



# SadakathullahAppa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

	Name of the Faculty with	:	Dr.S.M.A. Syed Mohamed Khaja , STCO01
	Designation, Staff ID	-	Assistant Professor and Head,
			Description of Commerce
			Sadakathullah Appa College(Autonomous),
	1	- 1	
			Tirunelveli
	Name of the Collaborating Faculty with Designation	:	Dr P Abraham
			Assistant Professor, Department of Commerce,
			ST. John's College, Palayamkottai, Tirunelveli
3	Name of the Collaborating Organization	:	St. John's College , Palayamkottai, Tirunelveli
	O. garana		
		V.	
		+	Research
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)		Research
5	Nature / Details of Outcome	;	DC member
	(Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)		
6	Period of Collaboration	1	From: 05.07.2018 To: 05.07.202
7	Financial Involvement (if any)	1	
8	Proof Attached	-	: Yes
71			The second secon
sign			
		the	e Collaborating Faculty   Signature of the



## MANONMANIAM SUNDARANAR UNIVERSITY Accredited with 'B' Grade by NAAC ABISHEKAPATTI, TIRUNELVELI – 627 012, TAMILNADU, INDIA



Centre for Research

#### Dr.K.SENTHAMARAI KANNAN DIRECTOR

REF:MSU/RES/R1/JULY 2018

Date: 05-July-2018

To

Ph.D., Programme Commencement Order

MARIA KALAI SELVI A 9/18H-1, AMBAI ROAD 5TH STREET, ALANGULAM

Thirunelveli Tamil Nadu 627851 Mobile No :9788740946 ,Email Id :selvi.alm@gmail.com Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation-Reg Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

1. Name of the Scholar

: MARIA KALAI SELVI A

2. Registration No

: 18221271012018

3. Discipline

: Commerce

4. Gender

: Female

5. Social Category (Community)

: BC

6. Nationality

: INDIAN

7. PWD Status

: Not Applicable

8. Admission Based On

; M.Phil

9. Name of the Supervisor

: DR P ABRAHAM

10.Name of the Co-Supervisor

: NIL

11.Mode

: PART TIME INTERNAL

12.Research Centre

: ST. JOHN'S COLLEGE , PALAYAMKOTTAI

13.Date of Commencement

: 05.07.2018

14.Proposed Title

: A STUDY ON COMMERCE EDUCATION AND ITS IMPACT ON

ENTREPRENEURSHIP DEVELOPMENT IN TIRUNELVELI DISTRICT

15 Doctoral Committee

Members Details

: 1. DR A STANLEY DAVIS MANI

ASSISTANT PROFESSOR IN COMMERCE, ST. JOHNS COLLEGE, TIRUNELVELI

2. DR SMA SYED MOHAMED KHAJA

HEAND & ASSISTANT PROFESSOR, DEPARTMENT OF COMMERCE,

SADAKUTHULLA APPA COLLEGE, TIRUNELVELI

ASSISTANT

SUPERINDENT

ASSISTANT REGISTRAR

Phone: 0462 - 2333741, 2338721, 9487999692, 9487907000, FAX: 2322973, Website: www.msuniv.ac.in



# Sadakathullah Appa College (Autonomous) Rahmath Nagar, Tirunciveli - 627011

	Name of the Faculty with  Dr. K. Hema  Assistant Prof. of English  Staff ID: ATENO4  Name of the Collaborating Faculty.
2	With Designation  Dr. D. Tockin  Assistant Prof. of English
3	Name of the Collaborating Organization  St. Xavier's College  Pallayamkottai, Tixunelveli.
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)  Callaboration  From: 10.8.17  To: 28.07.205
6	Period of Condoctation
7	Financial Involvement (if any) : Yes/No
8	Proof Attached  Signature of Principal Signature of the Collaborating Faculty  Signature of Principal Signature of the Faculty  Or. D. JOCKIM

Assistant Professor of English
St. Xavier's College (Autonomous)
Palayamkottai, Tirunelveli-2

MSU PNO Admission17211284012019



# MANONMANIAM SUNDARANAR UNIVERSITY

# CENTRE FOR RESEARCH

ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA



#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF : MSU/RES/RIJJUNE2017

Date: August 10, 2017 Ph.D., Programme Commencement Order

To

MAKYL CHRISHO, M 67 SIVAN SOUTH CAR STREET, PALAYAMKOTTAL Tamii Nadu, Thirunelvell, Pincode - 627002 Mabile No.: 7829006336, Email ID: xavierdvish300-producem

Sir/Madam.

Sultr: Registration for doing Ph.D., programme - Date of Commencement of Research work -Intimation - Net

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below t

t. Nexture of the Exphales

MARYL ORISHO, N

1. Kingilatriction No.

17211204012019

3. Chadeline

t English

Senter

3 Fernale

Social Category (Community)

macamadity

HADOME :

7. PRIO STORY

s ment Appointments

1. Administration Shared On

· M.FHE

3. Marrie of the Supervisor

DR D JOOKTM

15. Name of the Co-Supervisor

: MIL

tt. Mote

1.7. Basselerch Contre

S PULL TIME

; \$2, Xevier's College (Autonomous), Palayamkottal

13. Date of Commencement

I to DE IDIT

14. Proposed Title

13. Decisions Committee manufaure Details

: RECONSTRUCTURE PROCES PAST A POST COLONIAL READING OF DAYANTARA SAMSAL S SELECT NOVELS

Assistant Professor of English, Sacakthauliah Appa College, Tangenetierelli.

Mobile No. : 9456379448, Email ID : hemasekant Lognot.com

2. DE V ORISTOPHER PANESH

Applicant, Professor of English, Govt. Arts College, Melor, Moderal.

Mubble No.: 9442008370, Email 10: vchristopherranish@gmall.com

DIRECTOR



## Sadakathullah Appa College (Autonomous) Rahmath Nagar, Tirunciveli - 627011

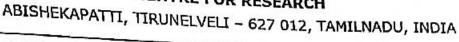
1	Name of the Faculty with Designation, Staff ID	Dr. K. Hema
		Assistant Prof. of English Stable ID: ATENO4
2	Name of the Collaborating Faculty with Designation	Dr.D. Jockim
		Assistant Proj. of English
3	Name of the Collaborating Organization	St. Xavier's College, Palayamkottai, Tirunelveli
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)	Research
	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)	DC Member for 5. Rajkumaran Rea. No. 17221284011025 : From: 10.08.2017 To: 10.5.20
$\forall$	Period of Collaboration	: From: 10.08.2017 To: 10.5.22
1	Financial Involvement (if any)	
P	roof Attached	: Yes/No
		Collaborating Faculty Signature of the Facult

Assistant Professor of English
St. Xavier's College (Autonomous)
Palayamkottai, Tirunelveli-2



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## MANON, MANIAM SUNDARANAR UNIVERSITY CENTRE FOR RESEARCH





#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/R1/JUNE2017

Date: August 10, 2017

Ph.D., Programme Commencement Order

To

RAJKUMARAN S

19-1 PTR Nagar, Palayamkottal Road

Tiruchendur

Tamil Nadu, Thoothukudi, Pincode - 628215

Mobile No.: 8870252038, Email ID: rajkumarannoc@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Intimation - Reg

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

Name of the Scholar

: RAJKUMARAN S

Registration No.

: 17221284011025

3. Discipline : English

Gender 4.

: Male

Social Category (Community) : BC

6. Nationality : INDIAN

**PWD Status** 

: Not Applicable

Admission Based On

: M.Phil

9 Name of the Supervisor : DR D JOCKIM

10. Name of the Co-Supervisor

: NIL

Mode

: PART TIME INTERNAL

12. Research Centre

: St. Xavier's College (Autonomous), Palayamkottal

13. Date of Commencement

: 10.08.2017

14. Proposed Title

: SOCIO - CULTURAL DISCOURSE IN J. M. COETZEE SELECT NOVELS

15. Doctoral Commmittee Members Details

1. DR K HEMA

Assistant Professor, Department of English, Sadakathullah Appa

College

Mobile No.: 9486379448, Email ID: hemaselvan@gmail.com

2. DR V CHRISTOPHER RAMESH

Assistant Professor, Department of English, Govt. Arts College. Melur.

Mobile No.: 9443008570, Email ID: vcbristopherramesh@gmail.com

ASST

SUPDT

AR

DIRECTOR

Phone: 0462 - 2333741, 2338721, 9487999692, 9487907000, FAX: 2322973, Website: msuniv.ac.in



## Sadakathullah Appa College (Autonomous) Rahmath Nagar, Tirunciveli - 627011

Name of the Faculty with Designation, Staff 1D	Dr. K.Hema
	Assistant Prof. of English
Name of the Collaborating Facult with Designation	Do . D. Jockim  Assistant Prof. of English
Name of the Collaborating Organization	St. Xavier's College Ralayamkottai, Tixunelveli.
A Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)	Research
Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)	DC Member for C. Mothilal Dinesh Res. No: 17221284011034
Period of Collaboration	Reg. No: 17221284011034 : From: 10.8.2017 To: 10.5.209
Financial Involvement (if any)	
Proof Attached	: Yes / No
ature of Principal Signature of the Co	OCKIM
Assistant Profes	sor of English



#### CENTRE FOR RESEARCH

#### ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA



#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/R1/JUNE2017

Date: August 10, 2017

#### Ph.D., Programme Commencement Order

C MOTHILAL DINESH 19-158, KASPA STREET PARAMANKURICHI

Tamil Nadu, Thoothukudi, Pincode - 628213

Mobile No.: 9842311681, Email ID: mothilaidinesh1992@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Intimation - Reg

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

Name of the Scholar

: C MOTHILAL DINESH

Registration No. 2.

: 17221284011034

Discipline

: English

Gender

; Male

: BC

Social Category (Community)

: Indian

Nationality 6,

: Not Applicable

**PWD Status** Admission Based On

: M.Phil

Name of the Supervisor

: D JOCKIM

10. Name of the Co-Supervisor

: NIL

11. Mode

: PART TIME INTERNAL

12. Research Centre

: St. Xavier's College (Autonomous), Palayamkottal

13. Date of Commencement

: 10.08.2017

14. Proposed Title

: ECO-TERRORISM AND ECO-SCAM AN ECO-PSYCHOLOGICAL

STUDY OF CARL HIAASEN'S SELECT NOVELS

15. Doctoral Commmittee Members Details

: 1. DR K HEMA

ASSISTANT PROFESSOR, SADAKATHULLAH APPA COLLEGE Mobile No.: 9486379448, Email ID: hemaselvan@gmail.com

2. DR V CHRISTOPHER RAMESH

ASSISTANT PROFESSOR, GOVT. ARTS COLLEGE, MELUR,

MADURAI .

Mobile No.: 9443008570, Email ID: vchristopherramesh@gmall.com

SUPDT

Phone: 0462 - 2333741, 2338721, 9487999692, 9487907000, FAX: 2322973, Website: msuniv.ac.in.



# Sadakathullah Appa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with Designation, Staff ID	Dr. K. Hema
		Assistant Prof. of English
2	Name of the Collaborating Faculty with Designation	Staff ID: ATENO4  Dr. T. Ratha Jeyalakshmi  Dean, Research & Development
3	Name of the Collaborating Organization	Sri Sarada College for Women Tiranelueli
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)	Academic
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)	: Member, Editorial Board for the College Journal Pragnavani
6	Period of Collaboration	: From: June 2016 To: till date
7	Financial Involvement (if any)	
3	Proof Attached	: Yes/No
Signa		Collaborating Faculty Signature of the Faculty EGE FOR WOMEN

(Autonomous) TIRUNELVELI - 627 011





# Sadakathullah Appa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with Designation, Staff ID		Dr. S. Tirthous Fadima
			Assistant Professor of Mathematic
	4		ATMA02
2	Name of the Collaborating Faculty with Designation	:	Dr.V. Mahalakshmi, Assistant professor of Mathemate A.P.C. Mahalanmi College for Women, Thoothukudi
3	Name of the Collaborating Organization	:	A.P.C. Mahalasemi College for women Thoothereudi
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)		Research
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)	or The Carlo	Dc Member - J. Siva Ranjini - 19222012092003
5	Period of Collaboration	:	From: Jan 2019 To: Till Date
	Financial Involvement (if any)	:	
	Proof Attached	:	Yes / <del>No</del>
gnatu	V. maha Ire of the Signature of the		ollaborating Faculty  Signature of the Faculty
			MAHALAKSHMI essor of Mathematics

A.P.C. Mahalaxmi College For Women Thoothukudi - 628 002.



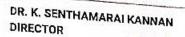
# MANONMANIAM SUNDARANAR UNIVERSITY

Reaccredited with 'A' Grade by NAAC (3rd Cycle)

#### CENTRE FOR RESEARCH

Ph.D., Programme Commencement Order

ABISHEKAPATTI, TIRUNELVELI – 627 012, TAMILNADU, INDIA Phone : 0462 - 2333741, 9487907000, Intercom: 2563073, Mail: cfrmsu@msuniv.ac.in, web: msuniv.ac.in



REF: MSU/RES/Admn/July 2019

Date: July 23, 2019

J SIVA RANJINI

Thoothukudi, Tamil Nadu, Pincode - 628003

Mobile No. ; 9976939359, Email ID : Jsivaranjini1994@gmail.com

Sir/Madam,

To

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation - Reg

Ref: Counseling attended by the candidate for July 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below :

Name of the Scholar	J SIVA RANJINI					
Registration No.	19222012092003					
Discipline	Mathematics					
Gender / Community	Female / BC					
Nationality	INDIAN Not Applicable					
PWD Status						
Admission Based On / Mode	M.Phil / PART TIME					
Research Centre	A.P.C.Mahalakshmi College for Women, Tuticorin					
Name of the Supervisor with Address	Dr. V.Mahalakshmi, Assistant Professor Department of Mathematics, A. P. C. Mahalakshmi College for Women, Thoothukudi, 628002 Mobile No.: 8056576874, Email ID: mahalakshmi@apomcollege.ac.in					
Name of the Co-Supervisor with Address	NIL					
Ooctoral Commmittee Members	1. DR K PALANI, Associate Professor, Department of Mathematics, A.P.C Mahalaxmi College for Women, Thoothukudi - 628002 Mobile No.: 8610437647, Email ID: kpapcmaths1@gmail.com					
	2. DR S FIRTHOUS FATIMA, Assistant Professor, Department of Mathematics, S.A College, Tirunelvell - 627011 Mobile No.: 9095045047, Email JD: kitherali@yahoo.co.in					
oposed Title	A study on some fuzzy concepts in Near - Subtraction semigroups					
ate of Commencement	23.07.2019					

SUPERINTENDENT

ASSISTANT REGISTRAR

Copy To : Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members



# SadakathullahAppa College (Autonomous)

Rahmath Nagar, Tirunelveli - 627011

	Name of the Faculty with Designation, Staff ID		Dr. S. Syed Ali Fathima Assistant Professor Department of Mathematics Sadakathullah Appa College, Tirunelveli-11 Staff ID: ATMA04
2	Name of the Collaborating Faculty with Designation	1	Dr.K. Alli Assistant Professor Department of Mathematics The M.D.T Hindu College
3	Name of the Collaborating Organization	1	The M.D.T Hindu College, Tirunelveli
1	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)		Research
	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)		DC Member ROSEMATHY Y- 18111072092002
	Period of Collaboration	:	From: 10.01.2018 To: Till Date
	Financial Involvement (if any)	:	No
1	Proof Attached	1	Yes

Signature of Principal With seal Signature of the Collaborating Faculty
With seal

Assistant Professor,
Department of Mathematics,
The M.D.T. Hindu College,
TIRUNELVELI - 627 010.

S. Syed Ali Zathrine Signature of the Faculty

S. Syed All Fathima Assistant Professor of Mathematics, Sadakathullah Appo College (Autonomous), Rahmath Nagar, Tirunolvell - 627 011.

#### DR. K. SENTHAMARAI KANNAN DIRECTOR

3.7.1/ Collaborative Activities/2018-19/9

REF: MSU/RES/R1/JANUARY2018

Date: January 10, 2018 Ph.D., Programme Commencement Order

To

ROSEMATHY Y 18D DIAMOND TOWER, METTU STREET SINDHUPOONDURAL

Tamil Nadu, Thirunelveli, Pincode - 627001

Mobile No.: 9597485276, Email ID: ravlmathy18@gmall.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Intimation - Reg

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

Name of the Scholar 1.

: ROSEMATHY Y

2. Registration No. : 18111072092002

3. Discipline : Mathematics

4., Gender

: Female

Social Category (Community) 5.

; BC

Nationality 6.

: INDIAN

7. **PWD Status**  : Not Applicable

8. Admission Based On

: M.Phil

Name of the Supervisor 9.

: Dr. K. Alli

10. Name of the Co-Supervisor

: NIL

11. Mode

: FULL TIME

12. Research Centre

: The M.D.T. Hindu College, Tirunelveli

13. Date of Commencement

: 10.01.2018

14. Proposed Title

: A STUDY ON NEW TYPE OF CLOSED SETS IN TOPOLOGICAL

SPACES

15. Doctoral Commmittee

Members Details

1. DR S SYED ALI FATHIMA

ASSISTANT PROFESSOR OF MATHEMATICS, S A COLLEGE,

THIRUNELVELI.

Mobile No.: 9965337934, Emall ID: syedalifarwma2014@gmall.com

2. DR K DASS

ASSISTANT PROFESSOR OF MATHEMATICS, THE M D T HINDU

COLLEGE, TIRUNELVELI.

Mobile No.: 9003463438, Email ID: dassmdt@gmail.com

SUPDT

Phone: 0462 - 2333741, 2338721, 9487999692, 9487907000, FAX: 2322973, Website: msuniv.ac.in



# SadakathullahAppa College (Autonomous)

Rahmath Nagar, Tirunelveli - 627011

	Name of the Faculty with Designation, Staff ID		Dr. S. Syed Ali Fathima Assistant Professor Department of Mathematics Sadakathullah Appa College, Tirunelveli-11
			Staff ID: ATMA04
	Name of the Collaborating Faculty with Designation	:	Dr.K. Alli Assistant Professor Department of Mathematics The M.D.T Hindu College
,	Name of the Collaborating Organization	:	The M.D.T Hindu College, Tirunelveli
-	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)		Research
	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)		DC Member – D SARANYA-18111072092006
	Period of Collaboration		From: 10.01.2018 To: Till Date
	Financial Involvement (if any)		No
8	Proof Attached	:	Yes

Signature of Principal With seal Signature of the Collaborating Faculty
With seal

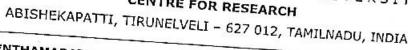
Assistant Professor,
Department of Mathematics,
The M.D.T. Hindu College,
TIRUNELVELL - 527 010

S Syed M. Fathuma Signature of the Faculty With seal

S. Syed All Fathima Assistant Professor of Mathematics, Sadakathullah Appa Coilege (Autonomous). Rahmath Nagar, Tirunelvell - 627 011. MSU PhD Admission18111072092006



## MANONMANIAM SUNDARANAR UNIVERSITY CENTRE FOR RESEARCH





#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/R1/JANUARY2018

Ph.D., Programme Commencement Order Date : January 10, 2018

D SARANYA 145 NEDUVILLAI STREET, THISAIYANVILLAI Tamil Nadu, Thirunelveli, Pincode - 627657

Mobile No.: 9655940469, Email ID: saranyaduralraj94@yahoo.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below :

Name of the Scholar

: D SARANYA

2. Registration No.

: 18111072092006

3. Discipline

: Mathematics

4. Gender : Female

5.

Social Category (Community)

6. Nationality : INDIAN

7. **PWD Status** 

: Not Applicable

8. Admission Based On

: M. Phil

Name of the Supervisor 9.

; Dr. K. Alli

10. Name of the Co-Supervisor

: NIL

11. Mode

Research Centre

: FULL TIME : The M.D.T. Hindu College, Tirunelveli

13. Date of Commencement

: 10.01.2018

14. Proposed Title

: CONTRIBUTION TO NEW FORMS OF GENERALISED CLOSED SETS

IN TOPOLOGICAL SPACES

15. Doctoral Commmittee Members Details

: 1. DR S SYED ALL FATHIMA

ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SADAKATHULLAH APPA COLLEGE, TIRUNELVELI

Mobile No.: 9965337934, Email ID: syedalifathima2014@gmail.com

2. DR K DASS

ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS,

THE M.D.T. HINDU COLLEGE, TIRUNELVELI-10

Mobile No.: 9003463438, Email ID: dassmdt@gmail.com

SUPDT



# SadakathullahAppa College (Autonomous)

## Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with Designation, Staff ID		Dr. S. Syed Ali Fathima Assistant Professor Department of Mathematics Sadakathullah Appa College, Tirunelveli-11 Staff ID: ATMA04
2	Name of the Collaborating Faculty with Designation	:	Dr.K. Senthamarai Kannan Senior Professor and Head Department of Statistics Manonmaniam Sundaranar University
3	Name of the Collaborating Organization	:	Manonmaniam Sundaranar University, Tirunelveli-12
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)		Research
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)		1. Co Guide – M. Sulaiga Beevi - 17214012271151 2. Publications
5	Period of Collaboration		From: 10.08.2017 To: 27.07.2021
7	Financial Involvement (if any)	:	No
3	Proof Attached	:	Yes

Signature of rincipal With seal Signature of the Collaborating Faculty
With seal

Dr. K. SENTHAMARAI KANNAN M.Sc., M.Phill, Ph.D (Stat), M.Tech., Ph.D (GSAIT) Senior Professor & Head, Dept. of Statistics MANONMANIAM SUNDARANAR UNIVERSITY Tironelvell-627 012, Tamilnadu, Signature of the Faculty
Signature of the Faculty
S. Sylva Affichatisima
Assistant Professor of Mathematics,
Sadakathullah Appa College (Autonomous),
Rahmath Nagar, Tirunelveli - 627 011.

Show for the state of the state



# MANONMANIAM SUNDARANAR UNIVERSITY

#### CENTRE FOR RESEARCH



ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA

#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/R1/JUNE2017

Date: August 10, 2017

#### Ph.D., Programme Commencement Order

To

SULAIGA BEEVI, M 888 H1 30th Street, Rahamath Nagar Palayamkottai Tamil Nadu, Thirunelveli, Pincode - 627002

Mobile No.: 9940163310, Email ID: ssulaiga@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -Intimation - Reg

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below :

Name of the Scholar

: SULAIGA BEEVI.M

2. Registration No. : 17214012271151

Discipline 3.

: Inter Disciplinary

Inter Disciplinary Detail

: MATHEMATICS - STATISTICS

Gender 4.

5.

7

: Male

Social Category (Community)

: BCM

Nationality

: INDIAN

6.

: Not Applicable

PWD Status

. M. Phil

Admission Based On 8.

: Dr K SENTAMARAI KANNAN

Name of the Supervisor

: DR S SYED ALI FATHIMA

Name of the Co-Supervisor

11. Mode

: FULL TIME

12. Research Centre

: Manonmaniam Sundaranar University, Tirunelveli.

13. Date of Commencement

: 10.08.2017

: FUZZY STOCHASTIC MODELING IN INDUSTRIAL APPLICATIONS

Proposed Title

15. Doctoral Commmittee Members Details

: 1. DR A LOGANATHAN Professor, Department of Statistics, Manonmaniam Sundaranar

University, Tiruneivell - 627 012.

Mobile No.: 9486634993, Email ID: aln\_24@rediffmail.com

2. DR C VIJAYALAKSHMI

Professor, Mathematics Division, VIT University, Chennal.

Mobile No.: 9444889819, Email ID: Nil

SUPUT

DIRECTOR

Phone: 0462 - 2333741, 2338721, 9487999692, 9487907000, FAX: 2322973, Website: msuniv.ac.in





# SadakathullahAppa College (Autonomous)

# Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with Designation, Staff ID		Dr. S. Syed Ali Fathima Assistant Professor Department of Mathematics Sadakathullah Appa College, Tirunclveli-11
	18		Staff ID: ATMA04
2	Name of the Collaborating Faculty with Designation	;	Dr.K. Alli Assistant Professor Department of Mathematics The M.D.T Hindu College
3	Name of the Collaborating Organization	:	The M.D.T Hindu College, Tirunelveli
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)		Research
.   9	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)		DC Member – M. ARLINE JEYAMARY - 12564
F	Period of Collaboration	•	From: 28.06.2017 To: Till Date
F	Financial Involvement (if any)	:	No
F	Proof Attached	:	Yes

Signature of Principal With scal Signature of the Collaborating Faculty
With seal

ند. K. ALLI, M.Sc., M.Phil., Ph.D., Assistant Professor,

Department of Mathematics, The M.D.T. Hindu College, TIRUNELVELI - 627 010. S. Syed Au Hathume Signature of the Faculty S. Swith a set allows

S. SWithAMFathtima Assistant Professor of Mathematics, Sadakathulleh Appa College (Autonomous), Rahmatn Nagar, Tirunelyelj • 627 011.

MANONMANIAM SUNDARANAR UNIVERSITY NONMANIAM SUNDARANAR UNIVER
TIRUNELVELI - 627 012, TAMIL NADU, INDIA
(REACCREDITED WITH B GRADE BY NAAC) 3.7.1/ Collaborative Activities/2018-19/12 OR K. SENTHAMARAI KANNAN OR K. SENTHAMARAI KANNAN PIRECTOR (CENTRE FOR RESEARCH) ABISHEKAPATTI, No.MSU/Res/R1/Doctoral Committee/Jan. 2017 TIRUNELVELI 627 012 28.06.2017

Dr. K. Alli

Asst Professor of Mathematics, The M.D.T. Hindu College, Tirunelveli.

(Guide)- Convener

Dr. S. Syed All Fathima Asst. Professor of Mathematics. Sadakathullah Appa College, Tirunelveli.

- Doctoral Committee Member

3. Dr. R. Gowri Assi Professor of Mathematics. Govt. College for Women, Kumbakonam.

- Doctoral Committee Member

Sir/Madam,

I am by direction, to inform, that you are nominated as convener (default) / Doctoral Committee member / Co-Guide (member) in respect of the scholar Ms. M. Arline Jeyamary, Reg. No.12564.

You are requested to meet four times during the Ph.D programme of the scholar to decide the following:

1. To approve the research proposal and prescribe the course work within six months From the date of registration.

2. To assess and monitor the quantum of work done and confirm the provisional registration by the candidate after one year from the date of registration;

3. To approve the Pre-Ph.D presentation, approval and synopsis and panel of examiners for adjudication of the thesis;

4. To consolidate and approve the adjudication reports for conduct of Ph.D viva-voce examination.

The Head of the Department of the University / Head of the Department of the Research Centre (duly forwarded by the Principal of the Research Centre) shall (i) forward the Doctoral committee minutes (in the format enclosed) to the 2 (Research), However, the meetings of Doctoral Committee should be informed to the Director (Research) with a copy to Head of the Department J Director of the Centre well in advance.

Yours faithfully

Encl: Proforma

Copy to:

Ms, M. Arline Jeyamary 2/20, Perinbapuram,

Sengulam (P.O),

Tirunelveli - 627 152.

(M) 9751819631.

- Candidate

Phone: EPABX: 0462- 2333741, Mobile: 9487999692, 9487907000, Fax: 0462-2322973, www. msuniv.ac.in.



# SadakathullahAppa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

4	Exchange / Student Exchange / Project / Internship / On-the Job Training)		Research
3	Organization  Nature of Collaboration (Academic / Research / Faculty		
2	Name of the Collaborating Faculty with Designation  Name of the Collaborating	+	Assistant Professor Department of Mathematics Rani Anna Govt. College for Women  Rani Anna Govt. College for Women, Tirunelveli
1	Name of the Faculty with Designation, Staff ID		Department of Mathematics Sadakathullah Appa College, Tirunclveli-11 Staff ID: ATMA04  Dr. R.Jamuna Rani

Signature of Principal With seal

Signature of the Collaborating With seal

C. R. JAM'JNA RANI MSc, M.Phil, Ph.D ASSISTANT PROFFSS OF TEPAR THEN. OF MATHEMATICS HRUNELVELI 627008

Signature of the Faculty With seal

S. Syed Ali Fathima Assistant Professor of Mathematics, Sadakathullah Appa College (Autonomous), Rahmath Nagar, Tirunelveli - 627 011.

# MANONMANIAM SUNDARANAR UNIVERSITY

Reaccredited with 'A' Grade by NAAC (3rd Cycle)

CENTRE FOR RESEARCH ABISHEKAPATTI, TIRUNELVELI – 627 012, TAMILNADU, INDIA

Phone: 0462 - 2333741, 9487907000 Intercom: 2563073 Mail etimesu@misuniv.ac.in, web: mesuniv.ac.in



#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/Admn/Jan 2019

Ph.D. Programme Commencement Order

Date: December 20, 2018

To

ANEES FATHIMA M

No 7, R P west street, Pettai, Tirunelveli 627004, 35, Thiripura sundari Amman Kovil West Street, Pettai, Tirunelveli 627004 Tamil Nadu, Thirunelveli, Pincode - 627004

Mobile No.: 9487784186, Email ID: afiseyan09@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation - Reg

Ref: Counseling attended by the candidate for January 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

Name of the Scholar	ANEES FATHIMA M						
Registration No.	19121172092012						
Discipline	Mathematics						
Gender / Community	Female / BCM						
Nationality	Indian						
PWD Status	Not Applicable						
Admission Based On / Mode	M.Phil / PART TIME INTERNAL						
Research Centre	Rani Anna Govt. College for Women, Tirunelveli.						
Name of the Supervisor	Dr.R.Jamuna Rani, Department of Mathematics, Rani Anna Govt. College for Women, Tirunelveli Mobile No.: 9894844528, Email ID: jamunarani1977@gmail.com						
Name of the Co-Supervisor	NIL						
Doctoral Commmittee Members	DR M ANITHA, Assistant professor, Dept of mathematics, Rani anna womens college, Tirunelvell     Mobile No.: 9943845052, Email ID: drmanitha10@gmail.com						
	2. DR S SYED ALI FATHIMA, Assistant professor, Dept of mathematics, Sadakathullah appa college, Tirunelvell Mobile No.: 9965337934, Email ID: syedalifathima2014@gmail.com						
roposed Title	A Study on the Properties of Bi-Generalized Topological Spaces						
ate of Commencement	20.12.2018						

SUPERINTENDENT

ASSISTANT REGISTRAR

DIRECTOR

Copy To : Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members



# Sadakathullah Appa College (Autonomous)

The state of the s		· ·	100011
Rahmath Nagar,	Tirune	elveli -	- 627011

1	NAME OF THE FACULTY WITH DESIGNATION, STAFF ID		Dr. N. MOHAMED RILWAN ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SADAKATHULLAH APPA COLLEGE, TIRUNELVELI 627 011. ATMA05
2	NAME OF THE COLLABORATING FACULTY WITH DESIGNATION	:	- The Head of the Department
3	NAME OF THE COLLABORATING ORGANIZATION		DEPARTMENT OF MATHEMATICS(SF) VHNSN COLLEEGE (AUTONOMOUS) VIRUTHUNAGAR – 626 001
4	NATURE OF COLLABORATION (ACADEMIC / RESEARCH / FACULTY EXCHANGE / STUDENT EXCHANGE / PROJECT / INTERNSHIP / ON-THE JOB TRAINING)	100000000000000000000000000000000000000	ACADEMICS
5	NATURE / DETAILS OF OUTCOME (GUEST LECTURE / DC MEMBER / CO- GUIDE / PROJECT REPORTS / OTHER REPORTS/PUBLICATIONS)	:	JUDGE
6	PERIOD OF COLLABORATION		05 - 02 - 2019
7	FINANCIAL INVOLVEMENT (IF ANY)		
	PROOF ATTACHED	•	YES

SIGNATURE OF PRINCIPAL

SIGNATURE OF THE COLLABORATING **FACULTY** 

SIGNATURE OF THE FACULTY

Dr. N. MOHAMED RILWAN, M.Sc., Ph.D., Assistant Professor Department of Mathematics

Sedakathullah Appa College (Autonomous)

Tirunelveli - 627 011.

# VIRUDHUNAGAR HINDU NADARS' SENTHIKUMARA NADAR COLLEGE (An Autonomous Institution Affiliated to Madurai Kamaraj University) (Reaccredited with 'A' Grade by NAAC) Virudhunagar-626 001. DEPARTMENT OF MATHEMATICS (SF) Certificate This is to certify that Mr./ Ms/Dr. M. Johamed Rilwan of Aust. Puol. of Mathematics, Sadakothullah Appa higs acted as a Judge in the event Paper Presentation organized by Department of Mathematics (SF), VHNSN College (Autonomous), Virudhunagar on 05.02.19



# Sadakathullah Appa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

1	NAME OF THE FACULTY WITH DESIGNATION, STAFF ID	:	Dr. N. MOHAMED RILWAN ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SADAKATHULLAH APPA COLLEGE, TIRUNELVELI 627 011. ATMA05
2	NAME OF THE COLLABORATING FACULTY WITH DESIGNATION	:	Dr. M. P. SYEDALI NISAYA ASSISTANT PROFESSOR OF MATHEMATICS THE MDT HINDU COLLEGE, PETTAI, TIRUNELVELI 627 010
3	NAME OF THE COLLABORATING ORGANIZATION	:	THE MDT HINDU COLLEGE, PETTAI, TIRUNELVELI 627 010.
4	NATURE OF COLLABORATION (ACADEMIC / RESEARCH / FACULTY EXCHANGE / STUDENT EXCHANGE / PROJECT / INTERNSHIP / ON-THE JOB TRAINING)		RESEARCH
5	NATURE / DETAILS OF OUTCOME (GUEST LECTURE / DC MEMBER / CO-GUIDE / PROJECT REPORTS / OTHER REPORTS/PUBLICATIONS)		DOCTORAL COMMITTEE MEMBER FOR THE SCHOLAR "RAMA LAKSHMI A"
6	PERIOD OF COLLABORATION		JAN 2018 TO TILL
7	FINANCIAL INVOLVEMENT (IF ANY)	:	
8	PROOF ATTACHED	:	YES

SIGNATURE OF RINCIPAL

M.P.S. LAP SIGNATURE OF THE COLLABORATING FACULTY

Min fe Re

SIGNATURE OF FACULTY

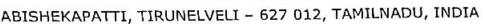
Dr. A.A. YED ALI MISAYA, M.Sc., M.Fhil. Ph.D. Assissint Professor of Mathematics The M.D.T. Hindu College, Tirunelyeb - 627 010.

Dr. N. MOHAMED RILWAN, M.Sc., Ph.D.
Assistant Professor
Department of Mathematics
Sedekathulish Appa College (Autonomous
Tirunelveli - 627 011.



#### MANONMANIAM SUNDARANAR UNIVERSITY

#### CENTRE FOR RESEARCH





#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/R1/JANUARY2018

Date: January 10, 2018

#### Ph.D., Programme Commencement Order

To

RAMA LAKSHMI A

3,krishnan kovil south street, Palayam kottal

Tirunelvell

Tamil Nadu, Thirunelvell, Pincode - 627002

Mobile No.: 9095254552, Email ID: guruji.ae@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Intimation - Reg

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

Name of the Scholar 1.

: RAMA LAKSHMI A

Registration No. 2.

: 18121072092001

Discipline 3

: Mathematics

Gender 4.

; Female

Social Category (Community) 5.

: BC

Nationality 6.

: Indian

**PWD Status** 7.

: Not Applicable

Admission Based On 8.

: M.Phil

Name of the Supervisor 9.

: Dr. M. P. Syedali Nisaya

Name of the Co-Supervisor

: NIL

11. Mode

: PART TIME INTERNAL

12. Research Centre

: The M.D.T. Hindu College, Tirunelveli

Date of Commencement

: 10.01.2018

14. Proposed Title

: A Study on Graph Labeling

Doctoral Commmittee Members Details

: 1. DR R KALA

PROFESSOR OF MATHEMATICS, M S UNIVERSITY,

TIRUNELVELI-12

Mobile No.: 9486902837, Email ID: karthlpyi91@yahoo.co.in

2. DR N MOHAMED RILWAN

ASSISTANT PROFESSOR OF MATHEMATICS, SADAKATHULLAH

APPA COLLEGE, TIRUNELVELI-11

Mobile No.: 7867946099, Email ID: rilwan2020@gmail.com

AR

Phone: 0462 - 2333741, 2338721, 9487999692, 9487907000, FAX: 2322973, Website: msuniv.ac.in



#### SadakathullahAppa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

	1 NAME OF THE FACULTY WITH	I	Dr. N. MOHAMED RILWAN ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS,
	DESIGNATION, STAFF ID		SADAKATHULLAH APPA COLLEGE, TIRUNELVELI 627 011.
			ATMA05
2	NAME OF THE COLLABORATING FACULTY WITH DESIGNATION	:	Dr. T. TAMIZH CHELVAM  PROFESSOR, DEPARTMENT OF MATHEMATICS  MANONMANIAM SUNDARANAR UNIVERSITY  TIRUNELVELI 627 012
3	NAME OF THE COLLABORATING ORGANIZATION	:	MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI 627 012
4	NATURE OF COLLABORATION (ACADEMIC / RESEARCH / FACULTY EXCHANGE / STUDENT EXCHANGE / PROJECT / INTERNSHIP / ON-THE JOB TRAINING)		RESEARCH
5	NATURE / DETAILS OF OUTCOME (GUEST LECTURE / DC MEMBER / CO- GUIDE / PROJECT REPORTS / OTHER REPORTS/PUBLICATIONS)		DOCTORAL COMMITTEE MEMBER FOR THE SCHOLAR NIRMALA V
6	PERIOD OF COLLABORATION		DEC 2018 TO TILL
,	FINANCIAL INVOLVEMENT (IF ANY)		
3	PROOF ATTACHED	:	YES

SIGNATURE OF PRINCIPAL

SIGNATURE OF THE COLLABORATING FACULTY

M. Re PR SIGNATURE OF FACULTY

Dr. T. TAMIZH CHELVAM CSIR EMERITUS SCIENTIST Formerly Senior Professor Department of Mathematics maniam Sundaranar University Tirunelveli 627012, Tamil Nadu

Dr. N. MOHAMED RILWAN, M. St., PR.D. Assistant Prefesser Turish Appa College (Autonomou Tiruneiveli - 627 011.



# MANONMANIAM SUNDARANAR UNIVERSITY

Reaccredited with 'A' Grade by NAAC (3rd Cycle)

#### CENTRE FOR RESEARCH

ABISHEKAPATIT, TIRUNELVELI - 627 012, TAMILNADU, INDIA Phone : 0462 - 2333741, 9487907000, Intercom: 2563073, Mail: cfmsu@msuniv.ac.in, web: msuniv.ac.in



#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/Admn/Jan 2019

Date: December 22, 2018

Ph.D., Programme Commencement Order

V NIRMALA

Pollankı Village, Gantyada

Andra Pradesh, Vizlanagaram, Pincode - 535215

Mobile No.: 9442483908, Email ID: varri.nirmala@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Intimation - Reg

Ref: Counseling attended by the candidate for January 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below :

	おおよりは2000年間は300円には100円では200円には100円である。
Name of the Scholar	V NIRMALA
Registration No.	19134012092044
Discipline	Mathematics
Gender / Community	Female / BC
Nationality .	Indian
PWD Status	Not Applicable
Admission Based On / Mode	PG / PART TIME EXTERNAL
Research Centre	Manonmaniam Sundaranar University, Tirunelvell.
Name of the Supervisor	Dr. T. Tamizh Cheivam, Department of Mathematics, Department of Mathematics, MSU  Mobile No.: 9443455244, Email ID: tamche59@gmail.com
Name of the Co-Supervisor	NIL
Doctoral Commmittee Members	DR SELVAKUMAR, Asst Prof of Maths, M S University, tirunelveil.     Mobile No.: 9442448593, Email ID: selva_1580yahoo.co.in
	2. DR MOHAMED RILWAN, Asst Prof of Maths, S A College, Tirunelvell
Proposed Title	research on algebra
Date of Commencement	22.12.2018

ASSISTANT SUPERINTENDENT

ASSISTANT REGISTRAR

Copy To : Supervisor, Co-Supervisor (If applicable) / Research Centre / Doctoral Committee Members



# SadakathullahAppa College (Autonomous)

# Rahmath Nagar, Tirunelveli - 627011

1	NAME OF THE FACULTY WITH DESIGNATION, STAFF ID	:	Dr. N. MOHAMED RILWAN ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SADAKATHULLAH APPA COLLEGE, TIRUNELVELI 627 011. ATMA05
2	NAME OF THE COLLABORATING FACULTY WITH DESIGNATION		Dr. T. TAMIZH CHELVAM PROFESSOR, DEPARTMENT OF MATHEMATICS MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI 627 012
3	NAME OF THE COLLABORATING ORGANIZATION		MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI 627 012
4	NATURE OF COLLABORATION (ACADEMIC / RESEARCH / FACULTY EXCHANGE / STUDENT EXCHANGE / PROJECT / INTERNSHIP / ON-THE JOB TRAINING)		RESEARCH
5	NATURE / DETAILS OF OUTCOME (GUEST LECTURE / DC MEMBER / CO- GUIDE / PROJECT REPORTS / OTHER REPORTS/PUBLICATIONS)		DOCTORAL COMMITTEE MEMBER FOR THE SCHOLA PRABHA ANANTHI K
5	PERIOD OF COLLABORATION		JULY 2018 TO TILL
7	FINANCIAL INVOLVEMENT (IF ANY)		
3	PROOF ATTACHED	10	YES

SIGNATURE OF PRINCIPAL

SIGNATURE OF THE COLLABORATING FACULTY

SIGNATURE OF FACULTY

Dr. T. TAMIZH CHELVAM CSIR EMERITUS SCIENTIST Formerly Senior Professor Department of Mathematics Manonmaniam Sundaranar University Tirunelveli 627012, Tamil Nadu Dr. N. MOHAMED RILWAN, M.Sc., PAL Assistant Professor Department of Mathematics Sedakathullah Appa College (Autonomou Tirunelveli - 627 011.



# MANONMANIAM SUNDARANAR UNIVERSITY Accredited with 'B' Grade by NAAC ABISHEKAPATTI, TIRUNELVELI – 627 012, TAMILNADU, INDIA Centre for Research



#### Dr.K.SENTHAMARAI KANNAN DIRECTOR

REF:MSU/RES/RI/JULY 2018

Date: 05-July-2018

To

Ph.D., Programme Commencement Order

PRABHA ANANTHI K

7-22 East Street, Sakkammalpuram

Servaikaranmadam post

Thoothukudi Tamil Nadu 628103

Mobile No :8939729285 ,Email Id :ksprabhaananthi@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation-Reg Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

1. Name of the Scholar

: PRABHA ANANTHI K

2. Registration No

: 18214012092020

3. Discipline

: Mathematics

: Female

Gender

Cinaic

5. Social Category (Community)

: BC : Indian

Nationality

: Not Applicable

7. PWD Status

Admission Based On
 Name of the Supervisor

: M,Phil

: Dr. T. Tamizh Chelvam

10.Name of the Co-Supervisor

: NIL

11.Mode

: FULL TIME

12.Research Centre

: MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI.

13.Date of Commencement

: 05.07.2018

14.Proposed Title

: A STUDY ON GRAPHS FROM VECTOR SPACES

15 Doctoral Committee

Members Details

: 1. DR R KALA

PROFESSOR, DEPARTMENT OF MATHEMATICS, MS UNIVERSITY,

TIRUNEL VELI-12

2. DR. RILWAN

ASSISTANT PROFESSOR, MATHEMATICS, SADAKATHULLA APPA COLLEGE, TIRUNELVELI

B

ASSISTANT

12

SUPERINDENT

of

ASSISTANT REGISTRAR

K.dz-



# SadakathullahAppa College (Autonomous)

Rahmath Nagar, Tirunelveli - 627011

1	NAME OF THE FACULTY WITH DESIGNATION, STAFF ID		Dr. N. MOHAMED RILWAN ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SADAKATHULLAH APPA COLLEGE, TIRUNELVELI 627 011.
2	NAME OF THE COLLABORATING FACULTY WITH DESIGNATION		Dr. S. ANANTHALAKSHMI ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS ANNAI HAJIRA WOMEN'S COLLEGE MELAPALAYAM, TIRUNELVELI 627 012
3	NAME OF THE COLLABORATING ORGANIZATION	:	GOVINDAMMAL ADITANAR COLLEGE, TIRUCHENDUR
4	NATURE OF COLLABORATION (ACADEMIC / RESEARCH / FACULTY EXCHANGE / STUDENT EXCHANGE / PROJECT / INTERNSHIP / ON-THE JOB TRAINING)		RESEARCH
5	NATURE / DETAILS OF OUTCOME (GUEST LECTURE / DC MEMBER / CO- GUIDE / PROJECT REPORTS / OTHER REPORTS/PUBLICATIONS)	:	DOCTORAL COMMITTEE MEMBER FOR THE SCHOLAR "RADHA M"
6	PERIOD OF COLLABORATION	;	DEC 2018 TO TILL
7	FINANCIAL INVOLVEMENT (IF ANY)	•	
3	PROOF ATTACHED	:	YES

SIGNATURE OF PRINCIPAL

SIGNATURE OF THE COLLABORATING FACULTY

SIGNATURE OF FACULTY

Héadobáthe Déparment or Méathcraticss
Annai Hápjiro V./ en's College - Múclapar, an

Dr. N. MOHAMED RILWAN, M.Sc., Ph.D.
Assistant Professor
Begartment of Mathematics
Sadakaihullah Aspa College (Autonomeu
Firunelveli - 627 011.



# MANONMANIAM SUNDARANAR UNIVERSITY

Reaccredited with 'A' Grade by NAAC (3rd Cycle)

#### CENTRE FOR RESEARCH

ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA Phone: 0462 - 2333741, 9487907000, Intercom: 2563073, Mail: cfrmsu@msuniv.ac.in, web: msuniv.ac.in



DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/Admn/Jan 2019

Date: December 23, 2018

Ph.D., Programme Commencement Order

To

RADHA M

90, ELANGO NAGAR, VANNARPETTAI

Tamil Nadu, Thirunelveli, Pincode - 627003

Mobile No.: 9489034789, Email ID: radhu1987@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Intimation - Reg

Ref: Counseling attended by the candidate for January 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

Name of the Scholar	RADHA M				
Registration No.	19122072092003				
Discipline Mathematics					
Inter Disciplinary Detail	Operations Research				
Gender / Community	Female / SC				
Nationality	INDIAN				
PWD Status	Not Applicable				
Admission Based On / Mode	M.Phil / PART TIME INTERNAL				
Research Centre	Govindammal Aditanar College, Tiruchendur				
Name of the Supervisor	DR S ANANTHALAKSHMI, Department of Statistics, Annai Hajīra Womens college, Melapalayam Mobile No.: 9965884104, Email ID: ananthivasan@gmail.com				
Name of the Co- Supervisor	DR.R.USHA PARAMESWARI, Department of Mathematics, Govindammal Aditanar College for Women, Tiruchendur Mobile No.: 7598843944, Email ID: rushaparameswari@gmail.com				
Doctoral Commmittee Members	1. DR N MOHAMED RILWAN, Assistant professor, Mathematics, Sadakathullah Appa College, Tirunelvell,627011 Mohile No. 1 7867946099, Email ID : rilwan2020@gmail.com				
	2. DR J GOLDEN EBENEZER JEBAMANI, Assistant Professor, Mathematics, Sarah Tucker College, Tirunelveli,627007 Mobile No.: 7486791719, Email ID: goldensambeth@gmail.com				
Proposed Title	APPLICATIONS OF OPTIMIZATION IN AIRCRAFT INDUSTRY				
Date of 23.12.2018					

ASSISTANT RECISTRAR

Copy To : Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members



### SadakathullahAppa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

1	NAME OF THE FACULTY WITH DESIGNATION, STAFF ID	1	Dr. N. MOHAMED RILWAN ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SADAKATHULLAH APPA COLLEGE, TIRUNELVELI 627 011. ATMAOS
2	NAME OF THE COLLABORATING FACULTY WITH DESIGNATION		Dr. S. ANANTHALAKSHMI ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS ANNAI HAJIRA WOMEN'S COLLEGE MELAPALAYAM, TIRUNELVELI 627 012
3	NAME OF THE COLLABORATING ORGANIZATION	4	GOVINDAMMAL ADITANAR COLLEGE, TIRUCHENDUR
4	NATURE OF COLLABORATION (ACADEMIC / RESEARCH / FACULTY EXCHANGE / STUDENT EXCHANGE / PROJECT / INTERNSHIP / ON-THE JOB TRAINING)	;	RESEARCH
5	NATURE / DETAILS OF OUTCOME (GUEST LECTURE / DC MEMBER / CO- GUIDE / PROJECT REPORTS / OTHER REPORTS/PUBLICATIONS)		DOCTORAL COMMITTEE MEMBER FOR THE SCHOLAR "VIJILA S"
6	PERIOD OF COLLABORATION	:	DEC 2018 TO TILL
7	FINANCIAL INVOLVEMENT (IF ANY)	:	
8	PROOF ATTACHED	;	YES

SIGNATURE OF PRINCIPAL

SIGNATURE OF THE COLLABORATING FACULTY

SIGNATURE OF FACULTY

Head of the Department of Mathematics Annai Hajira Women's College Melapalayan

Dr. N. MOHAMED RILWAN, M.Sc., Ph.D.,
Assistant Professor
Department of Mathematics
Sadakathullah Appa College (Autonomogs)
Tirunelveli - 627 011.



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#### CENTRE FOR RESEARCH

ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA

Phone: 0462 - 2333741, 9487907000, Intercom: 2563073, Mail: cfrmsu@meurisz ac.in, web: msurisy ac.in



#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/Admn/Jan 2019

Date: December 20, 2018

Ph.D., Programme Commencement Order

To

VIJILA S NO 77, MUNIYASAMY PURAM, FIRST STREET THOOTHUKUDI

Tamil Nadu, Thoothukudi, Pincode - 628003

Mobile No.: 9150631781, Email ID: vijilapaulraj@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Intimation - Reg

Ref: Counseling attended by the candidate for January 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

Name of the Scholar	VIJILA S						
Registration No.	19122072092001						
Discipline	Mathematics						
Inter Disciplinary Detail	Nil						
Gender / Community	Female / BC						
Nationality	INDIAN						
PWD Status	Not Applicable						
Admission Based On / Mode	M.Phil / PART TIME INTERNAL						
Research Centre	Govindammal Aditanar College, Tiruchendur						
Name of the Supervisor  DR ANANTHALAKSHMI, Department of Mathematics, Gor Aditanar College for Women, Tiruchendur Mobile No.: 9965884104, Email ID: ananthisvasan@gm							
Name of the Co- Supervisor  DR M KALAISELVI, Department of Mathematics, Govindammal A College for Women, Tiruchendur Mobile No.: 8778748141, Email ID: kesriharan@gmail.com							
Doctoral Commmittee Members	1. DR USHA PARAMESHWARI, ASSISTANT PROFESSOR, MATHEMATICS, GOVINDAMMAL ADITHANAR COLLEGE FOR WOMEN, TIRUCHENDURE. Mobile No.: 7598843944, Email ID: rushaparameswari@gmail.com						
2	2. DR N MOHAMED RITWAN, ASSISTANT PROFESSOR, MATHEMATICS, SADAKATHULLAH APPA COLLEGE, TIRUNELVELI. Mobile No.: 7867946099, Email ID: ritwan2020@gmail.com						
Proposed Title	MATHEMATICAL ANALYSIS FOR FUZZY OPTIMIZATION						
	TOTAL MARCISIS FOR FUZZY OPTIMIZATION						
Date of ommencement	20.12.2018						

ASSISTANT SUPERINTENDENT ASSISTANT REGISTRAR

Copy To: Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members



# 3.7.1/ Collaborative Activities/2018-19/ 20 SadakathullahAppa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

1	NAME OF THE FACULTY WITH DESIGNATION, STAFF ID	*	Dr. N. MOHAMED RILWAN ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SADAKATHULLAH APPA COLLEGE, TIRUNELVELI 627 011. ATMA05
2	NAME OF THE COLLABORATING FACULTY WITH DESIGNATION	26	Dr. S. ANANTHALAKSHMI ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS ANNAI HAJIRA WOMEN'S COLLEGE MELAPALAYAM, TIRUNELVELI 627 012
3	NAME OF THE COLLABORATING ORGANIZATION	:	GOVINDAMMAL ADITANAR COLLEGE, TIRUCHENDUR
4	NATURE OF COLLABORATION (ACADEMIC / RESEARCH / FACULTY EXCHANGE / STUDENT EXCHANGE / PROJECT / INTERNSHIP / ON-THE JOB TRAINING)	:	RESEARCH
5	NATURE / DETAILS OF OUTCOME (GUEST LECTURE / DC MEMBER / CO- GUIDE / PROJECT REPORTS / OTHER REPORTS/PUBLICATIONS)	:	DOCTORAL COMMITTEE MEMBER FOR THE SCHOLAR "MARY HELEN MEERA BHAI"
6	PERIOD OF COLLABORATION	:	DEC 2018 TO TILL
7	FINANCIAL INVOLVEMENT (IF ANY)	:	
8	PROOF ATTACHED		YES

SIGNATURE OF PRINCIPAL

SIGNATURE OF THE COLLABORATING FACULTY
Head of the Department of

Mathematics
Annai Hajira Women's College
Melapalayam

SIGNATURE OF FACULTY

Dr. N. MOHAMED RILWAN, M.Sc., Ph Assistant Professor Department of Mathematics Sedekathullah Appa College (Autonomo Tirunelyeli - 627 011. .03/2010-19/ 20



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#### CENTRE FOR RESEARCH

ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA
Phone: 0462 - 2333741, 9487907000, Intercom: 2563073, MMI. cfrmsu@msuniv.ac.in, web: msuniv.ac.in



#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/Admn/Jan 2019

Date: December 22, 2018

#### Ph.D., Programme Commencement Order

To

MARY HELEN MEERA BAI 2161 MELASHUNMUGAPURAM, 2ND STREET THOOTHUKUDI Tamil Nadu, Thoothukudi, Pincode - 628003

Mobile No. : 7598048522, Email ID : maryhelanmeerabai@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation - Reg

Ref: Counseling attended by the candidate for January 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below :

Name of the Scholar	MARY US., Programme as detailed below :				
Registration No.	MARY HELEN MEERA BAI				
Discipline	19122072092002				
	Mathematics				
Gender / Community	Female / BC				
Nationality	INDIAN				
PWD Status	Not Applicable				
Admission Based On / Mode	M.Phil / PART TIME INTERNAL				
Research Centre	Govindammal Aditanar College, Tiruchendur				
Name of the	DR S ANANTHALAKSHMI Department AM				
Supervisor	DR S ANANTHALAKSHMI, Department of Mathematics, Annai Hajira Womens college, Melapalayam Mobile No.: 9965884104, Emall ID: ananthisvasan@gmail.com				
Name of the Co-	DR M KALATSELVT Department of the community of the commun				
Supervisor	DR M KALAISELVI, Department of Mathematics, Govindammal Aditanar College for Women, Tiruchendur Mobile No.: 8778748141, Email ID: kesritharan@gmall.com				
Doctoral Commmittee	1 DR S ALICE PARPA ACCOUNTS				
Members	1. DR S ALICE PAPPA, ASSOCIATE PROFESSOR OF MATHEMATICS MARGOSCHIS COLLEGE NAZARATH Mobile No.: 7548827835, Email ID: alicestephen8979@gmail.com				
	2. DR N MOHAMED RITWAN, ASSISTANT PROFESSOR OF MATHEMATICS SADAKATHALLAH APPA COLLEGE TIRUNELVELI Mobile No.: 7867946099, Email ID: ritwan2020@gmail.com				
Proposed Title	APPLICATION OF OPTIMIZATION IN MATHEMATICAL ANALYSIS				
Date of Commencement	22.12.2018				

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W

4

ASSISTANT SUPERINTENDENT ASSISTANT REGISTRAR

DIRECTOR

Copy To: Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members



# SadakathullahAppa College (Autonomous)

# Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with Designation, Staff ID	:	Dr. N. MOHAMED RILWAN ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SADAKATHULLAH APPA COLLEGE, TIRUNELVELI 627 011. ATMA05
2	Name of the Collaborating Faculty with Designation		Dr. K. SELVAKUMAR ASSISTANT PROFESSOR OF MATHEMATICS MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI 627 012
3	Name of the Collaborating Organization	:	MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI 627 012
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)	:	RESEARCH
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)	;	DOCTORAL COMMITTEE MEMBER FOR THE SCHLAR BEAUTLIN JEMI J
6	Period of Collaboration	:	JULY 2018 TO TILL
7	Financial Involvement (if any)	:	
8	Proof Attached	:	YES

SIGNATURE OF PRINCIPAL

SIGNATURE OF THE COLLABORATING FACULTY

SIGNATURE OF FACULTY

Dr. N. MOHAMED RILWAN, M.Sc., Ph.D.
Assistant Professor
Department of Mathematics
Sadakathullah Appa College (Autonomous
Tirunelveli - 627 011.



#### MANONMANIAM SUNDARANAR UNIVERSITY Accredited with 'B' Grade by NAAC ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA



#### Centre for Research

#### Dr.K.SENTHAMARAI KANNAN DIRECTOR

REF:MSU/RES/R1/JULY 2018

Date: 05-July-2018

#### Ph.D., Programme Commencement Order

To

BEAUTLIN JEMI J 2-7, KATTAIKAL VILAI, THIRUVATTAR POST

Kanniyakumari Tamil Nadu 629177 Mobile No :9524638936 ,Email Id :beautlinjemi09@gmail.com

Sir/Madam.

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation-Reg

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

: BEAUTLIN JEMI J 1. Name of the Scholar

: 18214012092019 2. Registration No

: Mathematics 3. Discipline

4. Gender : Female

; BC Social Category (Community)

6. Nationality : Indian

7. PWD Status : Not Applicable

8. Admission Based On : M.Phil

: Dr. K. Selvakumar 9. Name of the Supervisor

10.Name of the Co-Supervisor : NIL

: FULL TIME 11.Mode

: MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELL 12.Research Centre

13.Date of Commencement : 05.07.2018

: A STUDY ON K-UNIFORM HYPERGRAPHS FROM COMMUTATIVE RINGS 14.Proposed Title

15 Doctoral Committee

Members Details

: 1. DR S MONIKANDAN

ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, MS UNIVERSITY,

TIRUNELVELI

2. DR N MOHEMED RILWAN

ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS,

SADAKATHULLAHAPPA COLLEGE, PALAYAMKOTTAI, TIRUNELVELI

ASSISTANT

SUPERINDENT

ASSISTANT REGISTRAR

Phone: 0462 - 2333741, 2338721, 9487999692, 9487907000, FAX: 2322973, Website: www.msuniv.ac.in



### Sadakathullah Appa College (Autonomous)

## Rahmath Nagar, Tirunelveli - 627011

l	Name of the Faculty with		Dr. I. ANTONY DANISH
	Designation, Staff ID		Assistant Professor, Department of Chemistry
			ATCH05
2	Name of the Collaborating Faculty	:	Dr. J. WINFRED JEBARAJ
	with Designation		Assistant Professor, Department of Chemistry,
			St. John's College, Palayamkottai, Tirunelveli 627002
3	Name of the Collaborating	:	Department of Chemistry,
	Organization		St. John's College, Palayamkottai, Tirunelveli 627002
4	Nature of Collaboration	:	Research
	(Academic / Research / Faculty		
	Exchange / Student Exchange /		
	Project / Internship / On-the Job		
	Training)		
5	Nature / Details of Outcome	1	DC member
	(Guest Lecture / DC member / Co-		[E. JIMLA PUSHPAM, Reg. No. 19131272032005]
	guide / Project Reports / Other		
	Reports/Publications)		
6	Period of Collaboration	:	From: December, 2018 to till Date
7	Financial Involvement (if any)	:	No
8	Proof Attached	:	Yes
Sig	nature of Principal Signature of	the	Collaborating Faculty Signature of the Faculty
	Th	h	John M
	X		JAntay time
/	X Dr. I	W	INFRED JEBARAJ Dr. I. ANTONY DANISH, M.Sc., F

PRINCIPAL
SADAKATHULLAH APPA COLLEGE
(AUTONOMOUS)
Rahmath Nagar, Tirunelveli - 627 011.

M.Sc.,M.Phil.,Ph.D.,
Assistant Professor
Research Department of Chemistry

St. John's College, Palayamkottai - 627 002. Assistant Professor,
Department of Chemistry
Sedakathullah Appa College (Autonomous)
Rahmath Nagar, Tirunelveli - 627 011.



### MANONMANIAM SUNDARANAR UNIVERSIT

Restoreduct with A Grade by BAAC (3rd Cycle)

#### CENTRE FOR RESEARCH

ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA

Phone DIES 211178) DARFORDING Branch 25810/1 Has consultaneous at 197

#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF MSU/RES/Admn/Jan 2019

Date December 20, 2018

Ph.D., Programme Commencement Order

JIMLA PUSHPAM E 2-1C, KAMARAJAR STREET, EDUPPUR MOOLAIKARAIPATTI Tamil Nadu, Thirunelveli, Pincode - 627354 Mobile No. 9487089891, Email ID : e. jimla2@gmail.com

Sir/Madam.

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation Reg

Ref: Counseling attended by the candidate for January 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed Lelow:

Name of the Scholar

JIMLA PUSHPAM E

Registration No.

19131272032005

Discipline Inter Disciplinary Detail Chemistry

Gender / Community

Female / BC

Nationality

INDIAN

PWD Status

Not Applicable

Admission Based On / Mode

M. Phil / PART TIME EXTERNAL

Research Centre

St. John's College, Palayamkottai

Name of the Supervisor

DR J WINFRED JEBARAJ, Department of Chemistry, ST. JOHN'S

COLLEGE, PALAYAMKOTTAI

Mobile No.: 9443969511, Email ID: drwins@gmail.com

Name of the Co-Supervisor

Doctoral Commmittee Members

1, DR ABBS FERREGI, ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, NMC COLLEGE, NAGERCOIL-65

Mobile No.: 9442865090, Email ID: NIL

2, DR P ANTONY DANISH, ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, SADAKATHULLAH APPA COLLEGE, TIRUNELVELI-11 Mobile No.: 9790163932. Email ID: antony danish@gmail.com

Proposed Title

THEORETICAL STUDIES OF SIMPLE DIAZEPAM BY DET STUDIES

Date of Commencement

20.12.2018

JEE.

ASSISTANT SUPERINTENDENT ASSISTANT REGISTRAN

DIRECTOR

Copy To : Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members

12 20 2018 5 12 PM



## SadakathullahAppa College (Autonomous)

## Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with Designation, Staff ID		Dr. S. Syed Ali Fathima Assistant Professor Department of Mathematics Sadakathullah Appa College, Tirunelveli-11
			Staff ID: ATMA04
2	Name of the Collaborating Faculty with Designation	1	Dr.K. Alli Assistant Professor Department of Mathematics The M.D.T Hindu College
3	Name of the Collaborating Organization	:	
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)	0	Research
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)	:	Publications – 2019
)	Period of Collaboration	:	From: 10.08.2017 To: Till Date
	Financial Involvement (if any)	:	No
	Proof Attached	1	Yes

Signature of Fincipal With seal

Signature of the Collaborating Faculty With seal

Or. K. ALLI, M.Sc., M.Phil., Ph.D.,
Assistant Professor,
Department of Mathematics,
The M.D.T. Hindu College,
TIRUNELVELI - 627 010

Signature of the Faculty
With seal
S. Syed All Fathima
Assistant Professor of Mathematics.
Sadakathuilah Appa College (Autonomous)

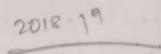
Rahmath Nagar, Tirunelveli - 627 011.



2<sup>nd</sup> International Conference on Current Scenario in Pure and Applied Mathematics (ICCSPAM - 2019), January 03, 2019

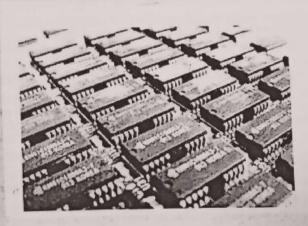


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PG & Research Department of Mathematics
Kongunadu Arts and Science College (Autonomous)
Coimbatore - 641 029



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### Scheduling a Round-Robin Tournament Using Independent Edge Domination

H.M. Sulthan Ahthar!, S. Syed Ali Fathima?, K. Alli

- 1 Sadakathullah Appa College, ( M.S. University ), Timmelveli, Tamil Nadu (India) 627011. Email
- 2 Department of Mathematics, Sadakathullah Appa College, ( M S University ) , Firunelveli, Tamil Nadu (India) - 627011.
- Department of Mathematics, The M.D.T. Hindu College, (MS University), Tirunelveli, Tamil Nadu (India)

Abstract In this paper work we wish to Schedule Round-Robin Tournament with the help of graph using independent edge domination. We construct even number and odd number of team scheduling using independent

Keywords: Domination, edge domination, independent edge domination, Schedule, Round-Robin

#### I. Introduction.

Domination in graphs is the most extremely interesting area for many researchers in graph theory all over the world. The reason for this fascination is not very difficult to figure out. The concept of domination can be applied to form various Mathematical models for practical problems. Several areas like communication network, decision making process, administration, social net work theory etc. use domination theory

Sports tournaments draw attention of millions of people around the world. Lot of money invests by the broadcaster and organizer in sports events. So they are main economic activities around the world. In tournament, the schedule plays the important roll. On one hand, there are multiple decision makers, the broadcasters, the team the organizer and the government for their difficulty of scheduling. Sports tournament have gained considerable amount of attention in recent years among the operation research constantly.

A round-robin is a sports competition in which each player or team plays against every other player or team. In this paper work we wish to Schedule Round-Robin Tournament with the help of graph using independent edge domination. We construct even number and odd number of team scheduling using independent edge domination

#### 1.1 Definition

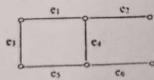
A set D of vertices in a graph G = (V, E) is called a dominating set of G if every vertex in V - D is adjacent to some vertex in D. In other words, A Set D of vertices of G is a dominating set if every vertex of G is dominated by at least one vertex of D. The cardinality of minimum dominating set is called domination number it is denoted by y (G).

#### 1.2 Definition

A set F of edges in a graph G = (V,E) is called an edge dominating set of G if every edge in E, -F is adjacent to at least one edge in F and is an independent edge dominating set if edges are independent

A edge dominating set is called minimal edge dominating set if no proper subset of S is a edge dominating set. A minimal edge dominating set of minimum cardinality is minimum edge dominating set

#### 1.3 Example: Let c. e. c., c. es, c. are edges in the graph





### Sadakathullah Appa College (Autonomous)

# Rahmath Nagar, Tirunelveli - 627011

	Name of the Faculty with		Dr. I. ANTONY DANISH
	Designation, Staff ID		Assistant Professor, Department of Chemistry
			ATCH05
2	Name of the Collaborating Faculty	1	Dr. J. WINFRED JEBARAJ
	with Designation		Assistant Professor, Department of Chemistry,
			St. John's College, Palayamkottai, Tirunelveli 627002
3	Name of the Collaborating		Department of Chemistry,
	Organization		St. John's College, Palayamkottai, Tirunelveli 627002
4	Nature of Collaboration	*	Research
	(Academic / Research / Faculty Exchange / Student Exchange /		
	Project / Internship / On-the Job		
	Training)		
5	Nature / Details of Outcome		DC member
	(Guest Lecture / DC member / Co-		[S. SANTHA PON ROJA, Reg. No. 19111192032013
	guide / Project Reports / Other	1	
	Reports/Publications)		
	Period of Collaboration	:	From: December, 2018 to Till Date
6	Feriod of Collaboration		
	Financial Involvement (if any)	:	No
7			
7	Financial Involvement (if any) Proof Attached		
	Financial Involvement (if any) Proof Attached		Yes  Collaborating Faculty  Signature of the Faculty  January Dail
7	Financial Involvement (if any)  Proof Attached  nature of Principal Signature of	the	Yes

PRINCIPAL SADAKATHULLAH APPA COLLEGE (AUTONOMOUS) Rahmath Nagar, Tirunelyeli - 627 911, Research Department of Chemistry St. John's College, Palayamkottai - 627 002.

Sadakathullah Appa College (Autaname::5)

Rahmeth Nagar, Tirunelveli - 927 (11



### MANONMANIAM SUNDARANAR UNIVERSITY

Reaccredited with A Grade by NAAC (3rd Cycle) CENTRE FOR RESEARCH

ABISHEKAPATTI TIRUNELVELI - 627 012. TAMILNADU, INDIA

Thorse 0447 (23374) 9457907300 Intercent 25s3073 Maji of mau-gonduror ac in, web insurity at in



DR K. SENTHAMARAI KANNAN DIRECTOR

REF MSU/RES/Admn/Jan 2019

Date December 22, 2018

#### Ph.D., Programme Commencement Order

To

SANTHA PON ROJA S 4-142 main road, karisalpatti, cheranmahadevi Tamil Nadu, Thirunelvell, Pincode - 627414

Mobile No 636900\$188, Email ID santhaponroja95@gmail.com

Sir/Madam,

Sub-Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation - Reg Ref Counseling attended by the candidate for January 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

Name of the Scholar	SANTHA PON ROJA S						
Registration No	19111192032013						
Discipline	Chemistry						
Inter Disciplinary Detail .	Nil						
Gender / Community	Female / BC						
Nationality	Indian						
PWD Status	Not Applicable						
Admission Based On / Mode	M.Phil / FULL TIME						
Research Centre	Sadakathullah Appa College, Tirunelveli.						
Name of the Supervisor	DR I ANTONY DANISH, Department of Chemistry, Sadakathullah Appa College, Palayamkottai, Tirunelveli Mobile No.: 9790163932, Email ID: antonydanish@gmail.com						
Name of the Co-Supervisor	NIL						
Doctoral Commmittee Members	1. DR S STELLA, ASSISTANT PROFESSOR, CHEMISTRY, SARAH TUCKER COLLEGE, TIRUNELVELI Mobile No.: 7598879390, Email ID: stella.selvaraj@gmail.com						
	2. DR J WINFRED JEBARAJ, ASSISTANT PROFESSOR, CHEMISTRY, ST. JOHN'S COLLEGE, TIRUNELVELI Mobile No.: 9443969511, Email ID: drwinswins@gmall.com						
Proposed Title	SYNTHESIS, CHARACTERISATION AND DET ON O-AND N- SUBSTITUTED NEW HETEROCYCLIC COMPOUNDS						
Date of Commencement	22.12.2018						

200

ASSISTANT SUPERINTENDENT ASSISTANT REGISTRAR

DIRECTOR

Copy To . Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members



### Sadakathullah Appa College (Autonomous)

### Rahmath Nagar, Tirunelveli - 627011

	Assistant Professor, Department of Chemistry  ATCH05  Dr. J SHAKINA  Associate Professor  Department of Chemistry and Research Centre,
*	Dr. J SHAKINA Associate Professor
	Associate Professor
	Department of Chemistry and Research Centre,
	Sarah Tucker College [Autonomous], Tirunelveli
-	Department of Chemistry and Research Centre,
	Sarah Tucker College [Autonomous], Tirunelveli
:	Research
*	Co-Guide Co-Guide
:	From: 2019 To till date
:	No
	Yes

Dr. J. SHAKTNA, M.Sc., M.Phil., Ph.B., Assistant Professor

Dept. of Chemistry & Research Centre Parah Tucker College (Autonor Tirunelveli - 627 007. ANTONY DANISH, M.Sc., M.D.

Assistant Professor, Department of Chemistry

Sadakathuliah Appa Cellege (Autonomous)

Rahmath Nagar, Tirune veli - 627 011.

PRINCIPAL SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)
Rehmath Nagar, Tirunelyeli - 627 911.



#### மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம் MANONMANIAM SUNDARANAR UNIVERSITY

State University Reaccredited with "A" Grade by NAAC (3" Cycle)

Tirunelveli - 627 012 Tamilnadu, India Phone:0462 - 2563073 e\_mail: cfrmsu@msuniv.ac.in Website: www.msuniv.ac.in

Dr. K. Senthamarai Kannan Director – Centre for Research Date: 45 01-2019

#### Change of Guide Order

Change of Guide from Dr. P. Sengu, Associate Professor of Chemistry, Sri K.G.S. Arts College, Srivaikuntam – 628 619 to Dr. I. Antony Danish, Assistant Professor of Chemistry, Sadakathullah Appa College (Autonomous), Tirunelveli – 627 011 has been granted to Mrs. T. Sahaya Maria Jeyaseeli, Reg. No.12579.

DIRECTOR

#### Copy to:

Dr. I. Antony Danish
Assistant Professor of Chemistry
Sadakathullah Appa College (Autonomous)
Rahmath Nagar, Tirunelveli – 627 011.

Guide

2. Dr. J. Shakina - Co-Guide Assistant Professor of Chemistry

Sarah Tucker College (Autonomous) Tirunelveli – 627 007.

3. Mrs. T. Sahaya Maria Jeyaseeli W/o. Mr. J. Savari Rajan 216 H/7A, EB Colony East Vallioor – 627 117 (M) 9443485573 Candidate

Dr. P. Sengu
 Associate Professor of Chemistry
 Sri. KGS Arts College, Srivaikuntam – 628 619.



(AUTONOMOUS)
Rahmath Nagar, Tirunelveli - 627 011.

### Sadakathullah Appa College (Autonomous)

Rahmath Nagar, Tirunelveli - 627011

L	Name of the Faculty with	1	Dr. I. ANTONY DANISH
	Designation, Staff ID		Assistant Professor, Department of Chemistry
			ATCH05
2	Name of the Collaborating Faculty	1	Dr. S. STELLA
	with Designation		Assistant Professor, Department of Chemistry.
			Sarah Tucker College [Autonomous], Tirunelveli
3	Name of the Collaborating	:	PG Department of Chemistry and Research Centre,
	Organization		Sarah Tucker College [Autonomous], Tirunelveli
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)		Research
5	Nature / Details of Outcome	2	DC Member
	(Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)		[RAJA RAJESWARI A., Register No.: -18221202032006]
6	Period of Collaboration	:	From: 5th July, 2018 to till date
7	Financial Involvement (if any)	:	No
8	Proof Attached	:	Yes
Sigr	Signature of the Signat	uL.	Dent of Chemistry
ATH (AL	PRINCIPAL ULLAH APPA COLLEGE ITONOMOUS) gar, Tirunelveli - 627 011.	•	Sarah Tucker Co. 1907  Assistant Professor,  Department of Chemistry  Sadakathullah Appa Cellege (Autonome Rehmath Nagar, Tirunekeli - 627 91



Condoorative Activities/2016-19/ 20

### ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA

Centre for Research



#### Dr.K.SENTHAMARAI KANNAN DIRECTOR

REF-MSU/RES/R1/JULY 2018

Date: 05-July-2018

### Ph.D., Programme Commencement Order

To

RAJA RAJESWARI A

DWARKA HOUSE,257,258B 2nd Main St

Teachers Colony Ariyakulam KTC Nagar

Tirunelveli Tamil Nadu 627011

Mobile No 9894811405 ,Email Id :rajarajeswaritdmns@gmail.com

Sin'Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation-Reg

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below

1. Name of the Scholar

5. Social Category (Community)

: RAJA RAJESWARI A

2. Registration No

: 18221202032006

3. Discipline

: Chemistry

all secondarion

Cucinisu

4. Gender

: Female

T. CILITORI

----

\_\_\_\_

: DNC

6. Nationality

: INDIAN

7. PWD Status

: Not Applicable

PA. M. ST. SP. SPRINGE

: M.Phil

Admission Based On
 Name of the Supervisor

: DR S STELLA

10 Name of the Co-Supervisor

: NIL

11 Mode

: PART TIME INTERNAL

12.Research Centre

: SARAH TUCKER COLLEGE . PALAYAMKOTTAI

13 Date of Commencement

: 05.07.2018

14.Proposed Title

: STUDIES ON SYNTHESIS, CHARACTERIZATION AND APPLICATIONS OF

METAL NANOPARTICLES IN IONIC LIQUIDS

15 Doctoral Committee

: 1. DR V RAMA

Members Details

ASSO PROF OF CHEMISTRY STC COLLEGE TIRUNELVELI

2. DR I ANTONY DANISH

ASST PROF OF CHEMISTRY SA COLLEGE PALAYAMKOTTAL

Sum

ASSISTANT

SUPERINDENT

ASSISTANT REGISTRAR

DIRECTOR



### Sadakathullah Appa College (Autonomous)

Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with		Dr. I. ANTONY DANISH
	Designation, Staff ID		Assistant Professor, Department of Chemistry
	A POST TO A STATE OF		ATCH05
2	Name of the Collaborating Faculty		Dr. S. STELLA
	with Designation		Assistant Professor, Department of Chemistry,
			Sarah Tucker College [Autonomous], Tirunelveli
3	Name of the Collaborating	:	PG Department of Chemistry and Research Centre,
	Organization		Sarah Tucker College [Autonomous], Tirunelveli
4	Nature of Collaboration  (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)	:	Research
5	Nature / Details of Outcome	:	DC Member
	(Guest Lecture / DC member / Co-		[S. SANTHA PON ROJA, Reg. No. 19111192032013]
	guide / Project Reports / Other Reports/Publications)		
6	Period of Collaboration	:	From: December, 2018 to till date
7	Financial Involvement (if any)	:	No
8	Proof Attached	1	Yes
Sig	nature of Principal Signature of	Su	Collaborating Faculty  Signature of the Faculty  Signature of the Faculty  Signature of the Faculty  Dept. S. STELLA  Asst. Professor  Dept. of Chemistry  Assistant Professor.  Department of Chemistry  Tirunelveli 627 007  Department of Chemistry
	PRINCIPAL ATHULLAH APPA COLLEGE		Tirune Veli - 627  Department of Chemistry  Sadakathullah Appa College (Autonom

(AUTONOMOUS) Rahmath Nagar, Tirunelveli - 627 011. Rahmath Nagar, Tirunelveli - 627



#### MANONMANIAM SUNDARANAR UNIVERSITY

Rescoredited with A Grade by NAAC (3rd Cycle) CENTRE FOR RESEARCH

ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA

Phone 0467 (23374) 1487907000 intercom 2163073 Mail communication acid, web mounts as in



DR K SENTHAMARAI KANNAN DIRECTOR

REF MSU/RES/Admn/Jan 2019

Date: December 22, 2018

Ph.D., Programme Commencement Order

SANTHA PON ROJA S 4-142 main road,karisalpatti, cheranmahadevi Tamii Nadu, Thirunelveli, Pincode - 627414 Mobile No 6369005188, Email ID santhaponroja95@gmail.com

Sir/Madam,

Sub. Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation - Reg

Ref Counseling attended by the candidate for January 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below :

Name of the Scholar	SANTHA PON ROJA S					
Registration No	19111192032013					
Discipline	Chemistry					
Inter Disciplinary Detail .	Nil					
Gender / Community	ty Female / BC					
Nationality	Indian					
PWD Status	Not Applicable					
Admission Based On / Mode	M.Phil / FULL TIME					
Research Centre	Sadakathullah Appa College, Tirunelveli.					
Name of the Supervisor	DR I ANTONY DANISH, Department of Chemistry, Sadakathullah Appa College, Palayamkottai, Tirunelveli Mobile No.: 9790163932, Email ID: antonydanish@gmail.com					
Name of the Co-Supervisor	NIL					
Doctoral Commmittee Members	1. DR S STELLA, ASSISTANT PROFESSOR, CHEMISTRY, SARAH TUCKER COLLEGE, TIRUNEL VELL Mobile No.: 7598879390, Email ID: stella.selvaraj@gmail.com					
	2. DR J WINFRED JEBARAJ, ASSISTANT PROFESSOR, CHEMISTRY, ST. JOHN'S COLLEGE, TIRUNEL VELL Mobile No.: 9443969511, Email ID: drwinswins@gmail.com					
Proposed Title	SYNTHESIS, CHARACTERISATION AND DET ON O-AND N- SUBSTITUTED NEW HETEROCYCLIC COMPOUNDS					
Date of Commencement	22.12.2018					

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ASSISTANT SUPERINTENDENT ASSISTANT REGISTRAR

Copy To Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members



# Sadakathullah Appa College (Autonomous)

2 0112

Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with	1	Dr. I. ANTONY DANISH
	Designation, Staff ID		Assistant Professor, Department of Chemistry
	1 29-013		ATCH05
2	Name of the Collaborating Faculty		Dr. B. RAVINDRAN DURAI NAYAGAM
	with Designation		Associate Professor and Head. Department of Chemistry
			Pope's College (Autonomous), Sawyerpuram, Tamil Nadu 628 251, India
3	Name of the Collaborating	10	Department of Chemistry
	Organization		Pope's College (Autonomous), Sawyerpuram, Tamil Nadu 628 251, India
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job	:	Research
	Training)		
5	Nature / Details of Outcome  (Guest Lecture / DC member / Coguide / Project Reports / Other	1	DC member
	Reports/Publications)		
6	Reports/Publications)  Period of Collaboration		From: December, 2018 to Till Date
		:	From: December, 2018 to Till Date
6 7 8	Period of Collaboration	+	

PRINCIPAL
SADAKATHULLAH APPA COLLEGE
(AUTONOMOUS)
Rahmath Nagar, Tirunelveli - 627 011.

Figure College (Autonomous) Sawyarpotam - 628 251

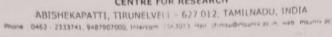
Department of Chemistry
Sedakathuliah Appa College (Autonomous)
Rahmath Nagar, Tirunekoli - 627 011



#### MANONMANIAM SUNDARANAR UNIVERSITY

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#### CENTRE FOR RESEARCH





DR. K. SENTHAMARAI KANNAN DIRECTOR

REF : MSU/RES/Admn/Jan 2019

Date : December 20, 2018

Ph.D., Programme Commencement Order

To

PETCHIAMMAL G

46, North Street,, Megalingapuram

Tirunelveli

Tamil Nadu, Thirunelvell, Pincode - 627001 Mobile No.: 9940752084, Email ID : gpetchiamma11980@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -Intimation - Reg

Ref: Counseling attended by the candidate for January 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below :

Name of the Scholar	PETCHIAMMAL G
Registration No.	19111192032005
Discipline	Chemistry
Gender / Community	Female / BC
Nationality	INDIAN
PWD Status	Not Applicable
Admission Based On / Mode	M.Phil / FULL TIME
Research Centre	Sadakathullah Appa College, Tirunelveli.
Name of the Supervisor	Dr. P. Sengu, Asso. Professor, , Department of Chemistry, Sri K.G.S Arts College, Srivalkundam Mobile No.: 9443670578, Email ID: paramasivansengu@gmall.com
Name of the Co- Supervisor	-Dr. I. Antony Danish, Asst Professor, , Department of Chemistry, Sadakathullah Appa College (Autonomous), Palayamkottai, Tirunelvell Mobile No.: 9790163932, Email ID: antonydanish@gmail.com
Doctoral Commmittee Members	1. DR B RAVINDRAN DURAI NAYAGAM, Associate Professor, Department of Chemistry, Popes College, Sawyer Puram Mobile No.: 9443290387, Email ID: bravidural@gmail.com
	2. DR M SHEIK MUHIDEEN BADHUSHA, Assistant Professor, Department of Chemistry, Sadakathula Appa College, Tirunelveli Mehille No. 19788749729, Email ID: drbadhunano@gmail.com
Proposed Title	STUDY OF MECHANISM OF Cr (VI) OXIDATION OF ORGANIC SUBSTRATES
Date of Commencement	20.12.2018

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ASSISTANT SUPERINTENDENT ASSISTANT REGISTRAP

Copy To : Supervisor, Co-Supervisor (If applicable) / Research Centre / Doctoral Committee Members



### Sadakathullah Appa College (Autonomous)

# Rahmath Nagar, Tirunelveli - 627011

	Name of the Faculty with	:	Dr. I. ANTONY DANISH
	Designation, Staff ID		Assistant Professor, Department of Chemistry
			ATCH05
2	Name of the Collaborating Faculty	:	Dr. B. RAVINDRAN DURAI NAYAGAM
	with Designation		Associate Professor and Head, Department of Chemistry
			Pope's College (Autonomous), Sawyerpuram, Tamil Nadu 628 251, India
3	Name of the Collaborating	:	Department of Chemistry
	Organization		Pope's College (Autonomous), Sawyerpuram, Tamil Nadu 628 251, India
4	Nature of Collaboration  (Academic / Research / Faculty  Exchange / Student Exchange /  Project / Internship / On-the Job  Training)	:	Research
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)	:	DC member
6	Period of Collaboration	:	From: December, 2018 to Till Date
7	Financial Involvement (if any)	:	No
8	Proof Attached	:	Yes
Sig		44	Collaborating Faculty  Signature of the Faculty  URAI NAYAGAM, M.Sc., Ph.D.,

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS) Rahmath Nagar, Tirunelveli - 627 011. Sawyerpuram - 628 251

Department of Chemistry Sedakathullah Appa Cellege (Autonomous) Rahmath Nagar, Tirunelveli - 627 011



### MANONMANIAM SUNDARANAR UNIVERSITY

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#### CENTRE FOR RESEARCH

ABISHEKAPATTI, TIRUNELVELI - 627 012, TAMILNADU, INDIA 1980 2315741 9487907000 Interiors The 1975 and elementaryous as in each



DR. K. SENTHAMARAI KANNAN DIRECTOR

REF : MSU/RES/Admm/Jan 2019

Date: December 22, 2018

Ph.D., Programme Commencement Order

A BANUMATHY 19 A 32, YADAVA WEST STREET

PALAYAMKOTTAL

Tamil Nadu, Thirunelveli, Pincode - 627002

Mobile No.: 8344026464, Email ID: pksbanu@gmail.com

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Intunation - Reg

Ref: Counseling attended by the candidate for January 2019 session.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below :

Name of the Scholar A BANUMATHY 19121192032014 Registration No. Chemistry Discipline Gender / Community Female / BC INDIAN Nationality Not Applicable PWD Status Admission Based On PG / PART TIME INTERNAL Mode Sadakathullah Appa College, Tirunelveli. Research Centre Dr p sengu, Department of Chemistry, Sri K.G.S Arts College, Srivaikuntam Mobile No.: 9443670578, Email ID: paramasivansengu@gmail.com Name of the Supervisor Name of the Co-Supervisor 1. DR B RAVINDRAN DURAINAYAGAM, Associate Doctoral professor, department of Commmittee chemistry,popescollege,sawyerpuram Members Mobile No. : 9443290387, Email ID : bravidurai@gmail.com 2. DR M SHEIK MUHIDEEN BADHUSHA, assistant professor ,department of chemistry,sadakathullah appa college physical chemistry Mobile No. : 9788749729, Email ID : drbadhunano@gmail.com KINETICS AND MECHANISM OF OXIDATION OF SOME ORGANIC Proposed Title SUBSTRATES WITH Cr VI OXIDISING AGENT Date of 22.12.2018 Commencement

ASSISTANT SUPERINTENDENT ASSISTANT REGISTRAN

http://www.qee.msupayment.in/admission/phdcounsell/payment/print\_app.php

Copy To : Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members



### Sadakathullah Appa College (Autonomous)

Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with	1	Dr. I. ANTONY DANISH
	Designation, Staff ID		Assistant Professor, Department of Chemistry
			ATC1105
	Name of the Collaborating Faculty	:	Dr. P. SENGU
	with Designation		Associate Professor  Department of Chemistry  Sri K. G. S. Arts College, Srivaikuntam -628 619  Tamil Nadu
3	Name of the Collaborating	1	Department of Chemistry
	Organization		Sri K. G. S. Arts College, Srivaikuntam -628 619 Tamil Nadu.
4	Nature of Collaboration (Academic / Research / Faculty	:	Research
	Exchange / Student Exchange / Project / Internship / On-the Job Training)		
5	Project / Internship / On-the Job	:	Co-Guide
	Project / Internship / On-the Job Training)  Nature / Details of Outcome (Guest Lecture / DC member / Coguide / Project Reports / Other	:	
j.	Project / Internship / On-the Job Training)  Nature / Details of Outcome (Guest Lecture / DC member / Coguide / Project Reports / Other Reports/Publications)		
5 7 8	Project / Internship / On-the Job Training)  Nature / Details of Outcome (Guest Lecture / DC member / Coguide / Project Reports / Other Reports/Publications)  Period of Collaboration		From: December, 2018 to Till Date No

CUMOUS) Rahman, San, Tirunelveli - 627 011. Sadakathullah Appa College (Autonomous) Rehmath Nagar, Tirunelveli - 527 611

MSU PHO Advisor 1912 (1920) 2014



### MANONMANIAM SUNDARANAR UNIVERSIT

Reaccondition with A Lorder by higher clinic Cycle

#### CENTRE FOR RESEARCH

ABISHEKAPATTI, TIRUNELVELI - 627 017, TAMIENADU INDIA THE CARREST STREET, STREET, STREET, CO. O.



DR. K. SENTHAMARAI KANNAN DIRECTOR

REF: MSU/RES/Admn/Jan 2019

Date December 22, 2018

Ph.D., Programme Commencement Order

To

A BANUMATHY 19 A 32, YADAVA WEST STREET PALAYAMKOTTAL

Tamil Nadu, Thirunelveli, Pincode - 627002

Mobile No.: 8344026464, Email ID: pksbanu@gmail.com

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work -

Intimation - Reg

Ref: Counseling attended by the candidate for January 2019 session,

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below :

Name of the Scholar A BANUMATHY 19121192032014 Registration No. Chemistry Discipline Gender / Community Female / BC INDIAN Nationality Not Applicable PWD Status Admission Based On PG / PART TIME INTERNAL / Mode Sadakathullah Appa College, Tirunelveli. Research Centre Dr p sengu, Department of Chemistry, Sri K.G.S Arts College, Srivaikuntam Name of the Mobile No.: 9443670578, Email ID: paramasivansengu@gmail.com Supervisor Name of the Co-NIL Supervisor 1, DR B RAVINDRAN DURAINAYAGAM, Associate Doctoral professor, department of Commmittee chemistry,popescollege,sawyerpuram Members Mobile No.: 9443290387, Email ID: bravidurai@gmail.com 2. DR M SHEIK MUHIDEEN BADHUSHA, assistant professor department of chemistry, sadakathullah appa college, physical chemistry Mobile No. : 9788749729, Email ID : drbadhunano@gmail.com KINETICS AND MECHANISM OF OXIDATION OF SOME ORGANIC Proposed Title SUBSTRATES WITH Cr VI OXIDISING AGENT Date of 22.12.2018 Commencement

ASSISTANT SUPERINTENDENT ASSISTANT REGISTRAN

Copy To : Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members



### Sadakathullah Appa College (Autonomous)

# Rahmath Nagar, Tirunelveli - 627011

I	Designation, Staff ID		Assistant Professor, Department of Chemistry
		1	
			ATCH05
1	Name of the Collaborating Faculty	:	Dr. P. SENGU
,	with Designation		Associate Professor
			Department of Chemistry
			Sri K. G. S. Arts College, Srivaikuntam -628 619
			Tamil Nadu
	Name of the Collaborating	1	Department of Chemistry
	Organization		Sri K. G. S. Arts College, Srivaikuntam -628 619
			Tamil Nadu.
k.	Nature of Collaboration	;	Research
	(Academic / Research / Faculty Exchange / Student Exchange /		
	Project / Internship / On-the Job		
	Training)		
5	Nature / Details of Outcome	1	Co-Guide
	(Guest Lecture / DC member / Co-		
	guide / Project Reports / Other		
	Reports/Publications)		
5	Period of Collaboration	:	From: December, 2018 to Till Date
7	Financial Involvement (if any)	:	No
8	Proof Attached	:	Yes
Ciona	ture of Principal Signature of	fthe	Collaborating Faculty Signature of the Faculty

PRINCIPAL
SADAKATHULLAH APPA COLLEGE
(AUTONOMOUS)
Rahmath Nagar, Tirunelveli - 627 011.

Assistant Professor,
Department of Chemistry
Sedekathullah Appa Cellege (Autenomous)
Rehmeth Nagar, Tirunelvell - 627 611.



### MANONMANIAM SUNDARANAR UNIVERSITY

Reaccredited with 'A' coude by NAAC (3rd Cycle)

#### CENTRE FOR RESEARCH

ABISHEKAPATTI, TIRUNELVE | 627 012 TAMILNADU, INDIA



#### DR. K. SENTHAMARAI KANNAN DIRECTOR

REF MSU/RES/Admn/Jan 2019

Date December 20, 2018

Ph.D., Programme Commencement Order

To

PETCHIAMMAL G

46, North Street,, Megalingapuram

Tirunelveli

Tamil Nadu, Thirunelveli, Pincode - 627001 Mobile No.: 9940752084, Email ID: gpetchiammai1980@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work

Intimation - Reg

Ref: Counseling attended by the candidate for January 2019 session

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below a

Name of the Scholar	PETCHIAMMAL G
Registration No.	19111192032005
Discipline	Chemistry
Gender / Community	Female / BC
Nationality	INDIAN
PWD Status	Not Applicable
Admission Based On / Mode	M.Phil / FULL TIME
Research Centre	Sadakathullah Appa College, Tirunelveli
Name of the Supervisor	Dr. P. Sengu, Asso. Professor, , Department of Chemistry, Sri K.G.S Arts College, Srivalkundam Mobile No.: 9443670578, Email ID: paramasivansengu@gmail.com
Name of the Co- Supervisor	*Dr. I. Antony Danish, Asst. Professor, , Department of Chemistry, Sadakathullah Appa College (Autonomous), Palayamkottai, Tirunelvell Mobile No.: 9790163932, Email ID: antonydanish@gmail.com
Doctoral Commmittee Members	1. DR B RAVINDRAN DURAI NAYAGAM, Associate Professor, Department of Chemistry, Popes College, Sawyer Puram Mobile No.: 9443290387, Email ID: bravidurai@gmail.com
	2. DR M SHEIK MUHIDEEN BADHUSHA, Assistant Professor, Department of Chemistry, Sadakathula Appa College, Tirunciveli Mobile No.: 9788749729, Email ID: drbadhunano@gmail.com
Proposed Title	STUDY OF MECHANISM OF Cr (VI) OXIDATION OF ORGANIC SUBSTRATES
Date of Commencement	20.12.2018

Ocs-

ASSISTANT SUPERINTENDENT ASSISTANT REGISTRAR

DIRECTOR

Copy To : Supervisor, Co-Supervisor (if applicable) / Research Centre / Doctoral Committee Members



### Sadakathullah Appa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with Designation, Staff ID		P. JESLIN KANAGA INBA
			Assistant Professor of Chemisto
			Ат СНО 4
2	Name of the Collaborating Faculty with Designation	1	J. WINFRED JEBARAJ
			Assistant Professor of Chemistry
3	Name of the Collaborating	:	
	Organization		St. John's college
			Palayam Ico Hai
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job	:	Research
5	Training)  Nature / Details of Outcome		
3	(Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)		DC member
6	Period of Collaboration	:	From: 2018 To: Till date
7	Financial Involvement (if any)		No
8	Proof Attached	:	Yes/N <del>o</del>
Sigr	fature of Principal Signature With C		All Barra Faculty Signature of the Faculty
	Research Departn St. John's Palayamkotta	nent Coll	of Chemistry lege,

# PAGE OF THE PAGE O

#### 3.7.1/ Collaborative Activities/2018-19/32

#### MANONMANIAM SUNDARANAR UNIVERSITY Accredited with 'B' Grade by NAAC

### ABISHEKAPATTI, TIRUNELVELI – 627 012, TAMILNADU, INDIA

#### Centre for Research



Dr.K.SENTHAMARAI KANNAN DIRECTOR

REF:MSU/RES/RI/JULY 2018

Date: 05-July-2018

Ph.D., Programme Commencement Order

To

GERSHOM STUART J

no 37, seenivasagam B colony

VM Chathram

Thirunelveli Tamil Nadu 627011

Mobile No :9487723576 ,Email Id :gershom.stuart141195@gmail.com

Sir/Madam,

Sub: Registration for doing Ph.D., programme - Date of Commencement of Research work - Intimation-Reg

Ref: Counseling attended by the candidate.

With reference to the above, you are provisionally registered for Ph.D., Programme as detailed below:

1. Name of the Scholar

: GERSHOM STUART J

2. Registration No

: 18211272031030

3. Discipline

: Chemistry

4. Gender

: Male

5. Social Category (Community)

: BC

6. Nationality

: indian

7. PWD Status

: Not Applicable

8. Admission Based On

: PG

9. Name of the Supervisor

: Dr J Winfred Jebaraj

10.Name of the Co-Supervisor

: NIL

11.Mode

: FULL TIME

12.Research Centre

: ST. JOHN'S COLLEGE, PALAYAMKOTTAI

13.Date of Commencement

: 05.07.2018

14.Proposed Title

: SYNTHESIS CHARACTERISATION AND COMPUTER AIDED THEORETICAL

STUDIES OF POTENTIALLY DOCKING DRUG CANDIDATES FOR

RETEROVIRAL INFECTION

15 Doctoral Committee

Members Details

: 1. DR P JESLIN KANAGA INBA

ASSISTANT PROFESSOR CHEMISTRY SADHAKATHULLA APPA COLLEGE

TIRUNELVELI

2. DR I MUTHU VIJAYAN ENOCH

ASSOCIATE PROFESSOR CHEMISTRY KARUNYA UNIVERSITY COIMBATORE

Dur

ASSISTANT

SUPERINDENT

ASSISTANT REGISTRAR

DIRECTOR



## Sadakathullah Appa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with Designation, Staff ID	1:	P. JESLIN KANAGIA INBA
			ASSISTANT PROFESSOR
			DEPARTMENT OF CHEMISTRY
2	Name of the Collaboration E		Атсно4
	Name of the Collaborating Faculty with Designation	1:	Da. V. RAMA
			Head & Associate Professor
3	Name of the Collaborating		
	Organization	:	Department of Chemistry
			Sarah Tucker Wollege.
			Tiranelveli
4	(Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)		Academic
5			Guest Lecture
5	Period of Collaboration	:	From: 2018 To:
7	Financial Involvement (if any)	:	
}	Proof Attached	:	Yes / No
	mous Bar	at .	70.
	nature of Principal Signature of the Professor &	Col	llaborating Faculty Signature of the Faculty
	(AUTONOMOUS) UNELVELI - 627 007.  Dept. of Che Sarah Tucker Tirunelveli - (	mis	try,



# SARAH TUCKER COLLEGE (AUTONOMOUS), TIRUNELVELI

Nationally Assessed and Re-accredited with 'A' Grade
Estd: 1895

Dr Usha Godwin MSg PhD PRINCIPAL

1 A 1

© 0462-25 1946 Fax: 0462-25 028

E-mail\_sarahtucker95@rediffma\_com

#### ATTENDANCE CERTIFICATE

This is to certify that Dr P.JESLIN KANAGA INBA Assistant Professor Department of Chemistry Sadakathullah Appa College, Tirunelveli has acted as a resource person for the Alumnae Meeting held on 05.09.2018 organized by the department of Chemistry and Research Centre, Sarah TuckerCollege(Autonomous), Tirunelveli.

PRINCIPAL
PRINCIPAL
SARAH TUCKER COLLEGE
(AUTONOMOUS)
TIRUNELVELI - 827 007



# Sadakathullah Appa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

	NAME OF THE FACULTY WITH DESIGNATION, STAFF ID	:	A.RASHETHA BEGAM  ASSOCIATE PROFESSOR AND HEAD, DEPARTMENT OF MATHEMATICS, SADAKATHULLAH APPA COLLEGE, TIIRUNELVELI – 627 011.
2	NAME OF THE COLLABORATING FACULTY WITH DESIGNATION	:	S.JEYALAKSHMI ASSOCIATE PROFESSOR AND HEAD, DEPARTMENT OF MATHEMATICS, SRI PARASAKTHI COLLEGE FOR WOMEN COURTALLAM – 627 802
3	NAME OF THE COLLABORATING ORGANIZATION	:	DEPARTMENT OF MATHEMATICS, SRI PARASAKTHI COLLEGE FOR WOMEN COURTALLAM – 627 802
4	NATURE OF COLLABORATION (ACADEMIC / RESEARCH / FACULTY EXCHANGE / STUDENT EXCHANGE / PROJECT / INTERNSHIP / ON-THE JOB TRAINING)	:	RESEARCH
5	NATURE / DETAILS OF OUTCOME (GUEST LECTURE / DC MEMBER / CO- GUIDE / PROJECT REPORTS / OTHER REPORTS/PUBLICATIONS)	:	PUBLICATION
6 ,	PERIOD OF COLLABORATION	:	From: 2018 To: 2019
7	FINANCIAL INVOLVEMENT (IF ANY)	:	-
8	PROOF ATTACHED		YES

SIGNATURE OF PRINCIPAL

S. Jeyalakshmi

SIGNATURE OF THE COLLABORATING FACULTY

Jackette By am SIGNATURE OF THE FACULTY

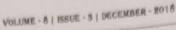


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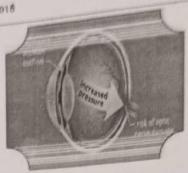




### IMPACT OF HYPERTENSION AND DIABETICS ON OPEN ANGLE GLAUCOMA SEVERITY - AN EMPIRICAL STUDY

A. Rashetha Begam<sup>1</sup> and Dr. S. Jayalakshmi <sup>2</sup> <sup>1</sup>Research Scholar, (Reg. No:12509), Dept. of Mathematics, Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamilnadu India.

<sup>2</sup>Head & Associate Professor, Dept. of Mathematics – Sri Parasakthi College for Women - Courtallam, Tirunelveli, Tamilnadu India.



Open angle glaucoma is one of the leading causes of blindness in the Indian context. Though there ABSTRACT are a lot of awareness being created among the people in the recent years, there is still a lack of understanding among the people regarding open angle glaucoma. The present paper focuses on the reasons behind the occurrence and severity of open angle glaucoma and how does it affect either gender. The number of samples for the present research is 200 and they are selected non-randomly from the patients of eye Hospital, Tirunelveli. The data has been analysed using AMoS software. The findings and suggested provided in the present paper can be utilised in the prevention and cure of open angle glaucoma.

KEYWORDS: Open angle glaucoma, Severity, Blindness and prevention.

#### INTRODUCTION:

Glaucoma is a disease that damages your eye's optic nerve. It usually happens when fluid builds up in the front part of your eye. That extra fluid increases the pressure in your eye, damaging the optic nerve Glaucoma is a leading cause of blindness for people over 60 years old. But blindness from glaucoma can often be prevented with early treatment. There are two major types of glaucoma.1. Primary open-angle glaucoma: This is the most common type of glaucoma. It happens gradually; where the eye does not drain fluid as well as it should (like a clogged drain). As a result, eye pressure builds and starts to damage the optic nerve. This type of glaucoma is painless and causes no vision changes at first. Some people can have optic nerves that are sensitive to normal eye pressure. This means their risk of getting glaucoma is higher than normal. Regular eye exams are important to find early signs of damage to their optic nerve.2. Angle-closure glaucoma (also called "closed-angle glaucoma" or "narrow-angle glaucoma"). This type happens when someone's iris is very close to the drainage angle in their eye. The iris can end up blocking the drainage angle. You can think of it like a piece of paper sliding over a sink drain. When the drainage angle gets completely blocked, eye pressure rises very quickly. This is called an acute attack. It is a true eye emergency, and you should call your ophthalmologist right away or you might go blind.

Here are the signs of an acute angle-closure glaucoma attack:

vision is suddenly blurry have severe eye pain have a headache feel sick to your stomach (nausea) throw up (vomit) see rainbow-colored rings or halos around lights



### SadakathullahAppa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with Designation, Staff ID	:	R.Fathima Syreen
			Assistant Professor, Department of BCA,Sadakathullah Appa College, Palayamkottai STCS18
			51C518
2	Name of the Collaborating Faculty with Designation	:	Dr.K.Merrilance ,Associate Professor, Department of MCA, Sarah Tucker College, Palayamkottai
3	Name of the Collaborating Organization	:	Sarah Tucker College, Palayamkottai
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)	:	Research
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)	:(	Publications
6	Period of Collaboration	:	From: February' 19
			To: April' 19
7	Financial Involvement (if any)	:	No ·
8	Proof Attached	:	Yes / No
Sign	nature of Principal Signature of t	the (	Collaborating Faculty Signature of the Faculty



### SadakathullahAppa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

ICSE International Journal of Computer Sciences and Engineering | Open Access

Vol.-7, Special Issue-B, Apr 2019

#### A Survey on Underwater Fish Species Detection and Classification

R. Fathima Syreen F. K. Merriliance

Dept of BCA, Sudskathellish Appa College, Timeselveli, India Dept of MCA, Serah Tucker College, Turnerlyeli, India

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opecal properties of auditories volume and images. Due to the great demand for underwater object recognition, many machine learning and image processing algorithms have been proposed. Deep Learning has achieved a significant results and a hage supersymment or visual detection and occupation. This paper mainly reviews some techniques proposed in past years for storate fish species detection and classification.

Keywords - Fish Recognition Fish Classification Feature EstructionImage Processing Neural Network Deep Learning

#### L INTRODUCTION

Love Fish recognition in the open sea is a challenging task. Live fish mangement in the open sea is a challenging task. They have been investigated for covernescal and environmental applications like inh fartning and metacovilogical in wantioning. Traditionally, square experis have employed many looks to examine the appearance and quantitions of different types of fish using methods such an eating not to eather and recognize fish in the occur, diving to observe and exceptions fish in the occur, diving to observe andersonier, using photography[1], combining not cauting to the accounted smart [2] (Quantity of coldected data is not except to implement the entire of they are not well organized to capture member like higher sorts. Normalitys, mach more conversant tools like hand-bold video Eineng devoce. Imbedded video carreers are also used to record underwater naturals. Fish presenter and their habet at different times can Introduced video carrerum are also used to recent underwater unternals. Firsh presentes and their habit at different tirries can also be observed. This equipment has produced large amounts of data and information stochastingly like computer vision and pattern recognition are required to analyze and quary large about videos. Statistical details about specific occurse fish species distribution, besides an aggregate court scrame fish species distribution besides an aggregate court of aquatic astrola can amont insidepoids resolving some ranging finite fined availability to predator-pery relationships. Since Inh can move feely and distribution levels change frequently in such constructions, the recognition task is challenging. The challenges fixed during classification of anderwater fish species methode tense, distribution overlap, argumentation error and occlusion. As a result, this task remains an aminent research problem. Prior research in materily notified to constructed the constructed and exception of the datasets were probably small. The accuracy also is very amontalitying under constructed and accurations content large amounts of vides data to mention backvissis; in that processing probability and the little of ecology collect large amounts of vides data to mention backvissis; in that time smocies areflications But rearreal analysis of this data is time

encourage. However this large scale analysis is important to obtain the learn-leider to some exception that have a large support on the harms population. So tends for automatic video analysis need to be developed in this paper we first discuss about some techniques based on shape, color tenture and hetarchical classification approaches used for fish detection and classification. The last section review about deep learning based techniques.

#### IL LOW-LEVEL FEATURE BASED APPROACH

makes the identification process very difficult. This section sevices apecies recognition based on governors features such as see and shape and appearance features such as color and







This paper [3] presents the design of an automated fish This paper [3] presents the design of an asternated fish species recognition and monitoring system Several shape-based recognition methods were implemented on the prototype system for testing Curvature function analysis is used to find critical landmark points on the fish contess. Everar description meet all invocuosi sequirements. For eccupation process, power specimen and phase angle information is calculated as shape description. Since the performance of finese shape methods did not give astrofactory result, a new

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# SadakathullahAppa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with		S. Khaleel Ahamed,
	Designation, Staff ID		Assistant Professor of English, ATEN05
2	Name of the Collaborating Faculty with Designation	:	Dr. R.C. Vasuki
			Principal
3	Name of the Collaborating Organization	:	Wavoo Wajeeha Women's College of Arts and Science
			Kayalpatnam, Thoothukudi District
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)  Nature / Details of Outcome (Guest Lecture / DC member / Coguide / Project Reports / Other Reports/Publications)		Academic
5			Guest Lecture
6	Period of Collaboration	;	29.03.2019
7	Financial Involvement (if any)	:	Nil
8	Proof Attached	:	Yes/No : Yes
Si	WAVOO WAJEEL OF ART Tiruchendur Road	IN ( HA I IS 8 I, Ka	CIPAL NOMEN'S COLLEGE SCIENCE Pyalpatnam-628 204. Signature of the Faculty



## WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

(Run by: Wavoo SAR Educational Trust)

(Affiliated to Manonmaniam Sundaranar University)
Tiruchendur Road, Kayalpatnam-628 204, Thoothukudi Dist.
Phone: 04639-285900, Office: 04639-280900, Mobile: 99442 77939

E-mail: wavoo\_college@yahoo.co.in

Dr. Mrs. R.C. VASUKI. M.A., Ph.D., DGT. Principal

### ATTENDANCE CERTIFICATE

This is to certify that S. Khaleel Ahamed, IQAC Asst. Co-ordinator, Sadakathullah Appa College (Autonomous), Tirunelveli conducted Academic Audit for the year 2018-19 in our college on 29.03.2019.

Date: 29.03.2019

Place: Kayalpatnam

PRINCIPAL
WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS & SCIENCE
Tiruchendur Road, Kayaipatnam-628 204.

# 3

#### 3.7.1/ Collaborative Activities/2018-19/37

### SadakathullahAppa College (Autonomous) Rahmath Nagar, Tirunelveli - 627011

1	Name of the Faculty with Designation, Staff ID	:	S. KhaleelAhamed,
			Assistant Professor of English,
			ATEN05
2	Name of the Collaborating Faculty with Designation	:	Dr.R.C. Vasuki
			Principal
3	Name of the Collaborating Organization	:	WavooWajeeha Women's College of Arts and Science
			Kayalpatnam, Thoothukudi District
4	Nature of Collaboration (Academic / Research / Faculty Exchange / Student Exchange / Project / Internship / On-the Job Training)	:	Academic
5	Nature / Details of Outcome (Guest Lecture / DC member / Co- guide / Project Reports / Other Reports/Publications)	:	Guest Lecture
6	Period of Collaboration	:	15.03.2019
7	Financial Involvement (if any)	:	Nil
8	Proof Attached	:	Yes/No : Yes
	WAVOO WAJEE	IN C	CIPAL VOMEN'S COLLEGE SCIENCE yalpatnam-628 204.
Sig	gnature of Principal Signature of the	Co	llaborating Faculty   Signature of the Faculty



# WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND SCIENCE

(Run by: Wavoo SAR Educational Trust)

(Affiliated to Manonmaniam Sundaranar University)

Tiruchendur Road, Kayalpatnam-628 204, Thoothukudi Dist. Phone: 04639-285900, Office: 04639-280900, Mobile: 99442 77939

E-mail: wavoo\_college@yahoo.co.in

Dr. Mrs. R.C. VASUKI. M.A., Ph.D., DGT.
Principal

### CERTIFICATE

This is to certify that Mr.S.Khaleel Ahamed, Assistant Coordinator – IQAC of, Sadakathullah Appa College, (Autonomous) Tirunelveli served as a mentor and guided us for the preparation of Self Study Report (SSR) on 15-03-2019 for NAAC Accreditation process in our institution.

Date: 15.03.2019

Place: Kayalpatnam

PRINCIPAL
WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS & SCIENCE
Tiruchendur Road, Kayaipatnam-628 204.

