



# APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

CET campus, Thiruvananthapuram - 695 016

Ph: 0471 2598122; Fax: 2598522 [www.ktu.edu.in](http://www.ktu.edu.in) Email: [university@ktu.edu.in](mailto:university@ktu.edu.in)

No. KTU/RESEARCH 2/1554/2017

Dated: 24.10.2017

From

The Director(Research)

To

The Principal

SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY, THRISSUR

Sir/Madam

Sub:- Constitution of DC- PhD 2017-18 Odd Semester - reg

The Doctoral committee details of the following PhD candidate is forwarded herewith.

1. JINU SEBASTIAN, Part time

Dr. Vrinda V Nair( Mob: 9447381186), Dean(Research), APJ Abdul Kalam Technological University Thiruvananthapuram will Chair the DC Meeting. You are requested to discuss and finalize date of DC with the Chairperson and other members of DC and the date of DC maybe communicated to all DC members and University. Presence of any one external DC member is mandatory in the DC.

## Agenda

1. Presentation by the student
2. Assessment of facilities for the research work
3. Registration of student
4. Decision on course work

Two core subjects and two elective subjects are to be suggested for course work. Research methodology is compulsory for those candidates who have not studied the subject earlier. Six months residential period is mandatory for those part time scholars with place of research away from place of work.

The College is requested to download forms R02 (registration) and R03 (course work) for each student from KTU site. After DC, registration and course work details must be updated in the KTU site. You are requested to upload signed copies of R02 and R03 forms in PDF format and to remit university fee collected from the scholars by online process in order to complete the registration process successfully. External DC members are eligible for TA and incidental expenses as per KTU rules. TA bills of external DC members are to be settled by the convenor of DC and KTU will reimburse the amount to the College.



## APJ Abdul Kalam Technological University

Approved Doctoral Committee

Name Of the Scholar	SANGEETHA GOPAL
Discipline/Area of Research	biotechnology
Name of Research Supervisor/(s)	Leon Ittiachen(KTU-F155)
Name of the Place Of Research(Affiliated college/University Department)	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Chairman Of the DC	Nandakumar M
Name of Convener[Principal of the affiliated college/Academic Head of the University Department ]	NIXON KURUVILA

Approved Doctoral Committee members- (Internal)			
Name	Designation	Contact Number	Email
Dhanya Gangadharan (KTU-F27838)	Assistant Professor	9539417734	dhanyag@sahrdaya.ac.in
Sudhin Thampi (KTU-F30424)	Associate Professor	9539750441	sudhinthampi@sahrdaya.ac.in

Approved Doctoral Committee members- (External)		
Name	Email	Contact Number
DR TENSION ANTONY	tenson@carekeralam.com	9562724755
DR DEEPA G MURICKEN	murickendeepa@gmail.com	8547138272

Signature of the Chairman of DC

D. M. Nandakumar







# APJ Abdul Kalam Technological University

## Registration of Research Scholar

Name of the Research Scholar	SANGEETHA GOPAL
Address and Contact Details	Postal Address: NATTUVALLY HOUSE MADAYIKONAM PO MAPRANAM PIN 680712 Contact Number: Mobile 9495422149 Landline 0480-2829637 Email: ammoos984770@gmail.com
Discipline/Area of Research	biotechnology
Category of Ph.D registration	Full time scholar
Name and address details of the affiliated college/Place of Research	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Name and contact details of Research Supervisor/(s)	Leon Ittiachen (KTU-F155)
Date of Admission of the Ph.D Scholar	23 <sup>rd</sup> May 2018
Date of Registration (To be filled in after the 1st DC meeting)	23 <sup>rd</sup> May 2018

Signature of Research Scholar

Signature of Guide/(s)

  
Signature of the principal/ Head of the University Department

[Signature of Dean(Research/Chairman(Doctoral Committee))]

  
Dr. M. Nandakumar



Format R-03

## APJ Abdul Kalam Technological University

## Minutes of the 01st DC Meeting- Approval of Courses

Date:

Name Of the Scholar	SANGEETHA GOPAL
Discipline/Area of Research	Ph.D in Engineering/Technology, Architecture
Name of Research Supervisor	Leon Ittiachen(KTU-F155)
Name of the Place Of Research(Affiliated college/University Department)	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Chairman Of the DC	Dr. M. NANDAKUMAR
Name of Convener[Principal of the affiliated college/Academic Head of the University Department]	NIXON KURUVILA

Two Compulsory Courses
1. Advanced Bioseparation Techniques (07BT70211)
2. Animal and plant cell culture (07BT6202)

Four Electives[The Scholar has to undergo any two courses]
✓ 1. Nanobiotechnology (07BT72033)
✓ 2. Bioprocess Modeling & Simulation (07BT62088)
3. Management, Entrepreneurship & Biobusiness (07BT72035)
4. Protein Engineering (07BT62097)

Signature DC Members

Research Supervisor

Chairman, DC

Dr. M. Nandakumar

Convener of DC

Dr. Nixon Kuruvila





# APJ Abdul Kalam Technological University

## Approved Doctoral Committee

Name Of the Scholar	Sumi Maria Babu
Discipline/Area of Research	Biotechnology
Name of Research Supervisor/(s)	Leon Ittiachen(KTU-F155)
Name of the Place Of Research(Affiliated college/University Department)	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Chairman Of the DC	Vrinda VNair
Name of Convener[Principal of the affiliated college/Academic Head of the University Department ]	NIXON KURUVILA

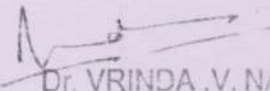
Approved Doctoral Committee members- (Internal)			
Name	Designation	Contact Number	Email
Dhanya Gangadharan (KTU-F27838)	Assistant Professor	9539417734	dhanyag@sahrdaya.ac.in
AMBILI MECHOOR(KTU-F156)	Professor	9495051696	ambili@sahrdaya.ac.in

Approved Doctoral Committee members- (External)		
Name	Email	Contact Number
Dr Najil George	najilgeorge@gmail.com	9744680831
Dr Manitha B Nair	manithanair80@gmail.com	9497896426

Dr. Viji. Mary vijimary@gmail.com 9447563819

Signature of the Chairman of DC

Due to medical emergency Dr. Najil George could not come and ~~Dr. Viji. Mary~~ Dr. Viji. Mary, HOD, St. Josephs ITK, was invited as external member with permission of the Dean (Research) KTU.

  
Dr. VRINDA V. NAIR  
DEAN (Research)  
APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY  
KANNUR CAMPUS



# APJ Abdul Kalam Technological University

## Registration of Research Scholar

<b>Name of the Research Scholar</b>	Sumi Maria Babu
<b>Address and Contact Details</b>	Postal Address: Pengiparambil House P O Avittathur 680683 Contact Number: Mobile 8943323668 Email: albinpaul01@gmail.com
<b>Discipline/Area of Research</b>	Biotechnology
<b>Category of Ph.D registration</b>	Full time scholar
<b>Name and address details of the affiliated college/Place of Research</b>	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
<b>Name and contact details of Research Supervisor/(s)</b>	Leon Ittiachen (KTU-F155)
<b>Date of Admission of the Ph.D Scholar</b>	19-11-2018
<b>Date of Registration (To be filled in after the 1st DC meeting)</b>	19-11-2018

Signature of Research Scholar

Signature of Guide(s)

Signature of the principal/ Head of the University Department

[Signature of Dean (Research/Chairman (Doctoral Committee))]

Dr. VRINDA .V. NAIR

DEAN (Research)

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY  
THIRUVANANTHAPURAM





Format R-03

## APJ Abdul Kalam Technological University

## Minutes of the 01st DC Meeting- Approval of Courses

Date:

Name Of the Scholar	Sumi Maria Babu
Discipline/Area of Research	Ph.D in Engineering/Technology, Architecture
Name of Research Supervisor	Leon Ittiachen(KTU-F155)
Name of the Place Of Research(Affiliated college/University Department)	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Chairman Of the DC	VRINDA . V. NAIR
Name of Convener[Principal of the affiliated college/Academic Head of the University Department ]	NIXON KURUVILA

Two Compulsory Courses
1. 07GN6001 RESEARCH METHODOLOGY ✓
2. 07BT6204 ANALYTICAL TECHNIQUES IN BIOTECHNOLOGY ✓

Four Electives[The Scholar has to undergo any two courses]
1. 07BT62084 FOOD PROCESSING TECHNOLOGY ✓
2. 07BT62033 NANO BIOTECHNOLOGY ✓
3. 07BT62095 BIOPOLYMER TECHNOLOGY
4. 07BT62031 TISSUE ENG. & BIOMATERIALS

Signature DC Members

Dr. Jiji Mary Varghese  
Dr. Phaneeswarar Gangadharan  
Dr. Anilish Mechoor

Research Supervisor

Chairman, DC

Dr. VRINDA . V. NAIR

DEAN (Research)

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY  
THIRUVANANTHAPURAM

Convener of DC



## APJ Abdul Kalam Technological University

Registration of Research Scholar

Name of the Research Scholar	Chalthanyadas K V
Address and Contact Details	Postal Address:Tharayil house P.O. Kazhimbram Edamuttam Thrissur-680568 Contact Number:Mobile 9847057049 Landline 0480-2839830 Email: chalthanyadasnidhin@gmail.com
Discipline/Area of Research	VLSI and Image Processing
Category of Ph.D registration	Full time scholar
Name and address details of the affiliated college/Place of Research	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Name and contact details of Research Supervisor/(s)	Gnana King G R(KTU-F30408)
Date of Admission of the Ph.D Scholar	
Date of Registration(To be filled in after the 1st DC meeting)	19/11/2018

Signature of Research Scholar

Signature of Guide/(s)

Signature of the principal/ Head of the University Department

[Signature of Dean(Research/Chairman(Doctoral Committee))]

Dr. VRINDA .V. NAIR  
DEAN (Research)  
APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY  
THIRUVANANTHAPURAM



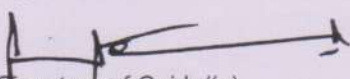


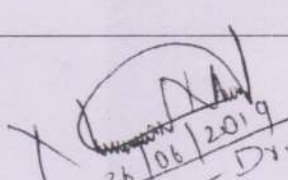
# APJ Abdul Kalam Technological University

## Registration of Research Scholar

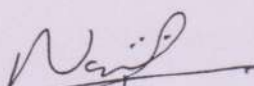
Name of the Research Scholar	Marria C Cyriac
Address and Contact Details	Postal Address:Sahrdaya College of Engineering and Technology P:B-No:17,Kodakara Contact Number:Mobile 8547331804 Landline 0480-2726630 Email: marriac.cyriac@sahrdaya.ac.in
Discipline/Area of Research	Biotechnology
Category of Ph.D registration	Part time scholar
Name and address details of the affiliated college/Place of Research	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Name and contact details of Research Supervisor/(s)	LEON ITTIACHEN(KTU-F155)
Date of Admission of the Ph.D Scholar	
Date of Registration(To be filled in after the 1st DC meeting)	

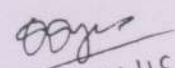
Signature of Research Scholar

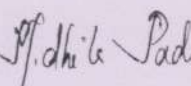
  
Signature of Guide/(s)  
(DR. LEON. ITTIACHEN)


  
Signature of the principal/ Head of the University Department

[Signature of Dean(Research/Chairman(Doctoral Committee))]

  
Dr. Nairi George

  
26/6/15  
Dr. K. Gyanakumar

  
Dr. Padma

  
Dr. Uma Krishnakumar



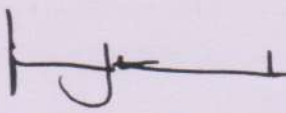
## APJ Abdul Kalam Technological University

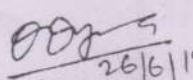
Approved Doctoral Committee

Name Of the Scholar	Marria C Cyriac
Discipline/Area of Research	Biotechnology
Name of Research Supervisor/(s)	LEON ITTIACHEN(KTU-F155)
Name of the Place Of Research(Affiliated college/University Department)	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Chairman Of the DC	Vijayakumar K
Name of Convener[Principal of the affiliated college/Academic Head of the University Department ]	NIXON KURUVILA

Approved Doctoral Committee members- (Internal)			
Name	Designation	Contact Number	Email
MIDHILA PADMAN(KTU-F30463)	Assistant Professor	8281072101	mpadman83@gmail.com
YUVARAJ V (KTU-F11812)	Associate Professor	9539940608	biomedyuva@gmail.com, dr.yuvarajvelusamy@gmail.com

Approved Doctoral Committee members- (External)		
Name	Email	Contact Number
Dr JOY VERGHESE T	joythanikkal@yahoo.com	9447260813
Dr NAIJIL GEORGE	naijilgeorge@gmail.com	9744680831

  
(DR. LEON. ITTIACHEN)

  
26/6/15  
Signature of the Chairman of DC  
Dr. K. vijayakumar





Format R-03

## APJ Abdul Kalam Technological University

## Minutes of the 01st DC Meeting- Approval of Courses

Date:

Name Of the Scholar	Marria C Cyriac
Discipline/Area of Research	Ph.D in Engineering/Technology, Architecture
Name of Research Supervisor	LEON ITTIACHEN(KTU-F155)
Name of the Place Of Research(Affiliated college/University Department)	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Chairman Of the DC	
Name of Convener[Principal of the affiliated college/Academic Head of the University Department ]	NIXON KURUVILA

## Two Compulsory Courses

1.	07ANG001	Research Methodology	✓
2.	07BT6207	Advanced Bioinformatics	✓

## Four Electives[The Scholar has to undergo any two courses]

1.	07BT62091	Chemical Biotechnology	✓
2.	07BT6204	Analytical Techniques in Biotechnology	✓
3.	07BT62086	Metabolic Engineering	
4.	07BT72013	IPR for a global economy	

Signature DC Members

Dr. Najil George Dr. Fathima Padman Dr. Uma Krishnakumar

Research Supervisor

(Dr. LEON. ITTIA CHEN)

Chairman, DC

Dr. K. vijayakumar

20/06/2019  
Convener of DC



## APJ Abdul Kalam Technological University

Approved Doctoral Committee

Name Of the Scholar	VISHNU S BABU
Discipline/Area of Research	COMPUTER SCIENCE AND ENGINEERING
Name of Research Supervisor/(s)	SATHEESH KUMAR (KTU-F30847)
Name of Research Co-Supervisor	R SUNDER (KTU-F36207)
Name of the Place Of Research(Affiliated college/University Department)	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Chairman Of the DC	Dr Sheeba V S
Name of Convener(Principal of the affiliated college/Academic Head of the University Department ]	NIXON KURUVILA

Approved Doctoral Committee members- (Internal)			
Name	Designation	Contact Number	Email
RAJESWARI M(KTU-F30169)	Associate Professor	9566358584	rajeswarim@sahrdaya.ac.in
Gnana King G R(KTU-F30408)	Associate Professor	9488883786	kings.326@gmail.com

Approved Doctoral Committee members- (External)		
Name	Email	Contact Number
Dr Vinod P	vinodp@scmsgroup.org	9497179735
Dr Jayasree M	mjayasree.arun@gmail.com	9446480296

*Shubam*  
Signature of the Chairman of DC 26/8/19



## APJ Abdul Kalam Technological University

Registration of Research Scholar

Name of the Research Scholar	VISHNU S BABU
Address and Contact Details	Postal Address: SUDARSANAM POLLEHAI PO VALAVANADU ALAPPUZHA PIN 688522 Contact Number: Mobile 9656456811 Email: vishnusbabu.research@gmail.com
Discipline/Area of Research	COMPUTER SCIENCE AND ENGINEERING
Category of Ph.D registration	Full time QIP/with government fellowship
Name and address details of the affiliated college/Place of Research	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Name and contact details of Research Supervisor/(s)	SATHEESH KUMAR (KTU-F30847)
Name and contact details of Research Co-Supervisor	R SUNDER (KTU-F36207) Postal Address: 1-248, WEST STREET, MARUTHANKINARU PO SANKARANKOVIL TK, TIRUNELVELI DISTRICT, TAMILNADU Phone: 9943142754 Email: sunder@sahrdaya.ac.in
Date of Admission of the Ph.D Scholar	
Date of Registration (To be filled in after the 1st DC meeting)	26-08-2019

Signature of Research Scholar

Signature of Guide/(s)

Signature of Co-Supervisor

Signature of Dean (Research/Chairman (Doctoral Committee))

[Signature of Dean (Research/Chairman (Doctoral Committee))]

Signature of the principal/ Head of the University Department

Signature of the principal/ Head of the University Department

## APJ Abdul Kalam Technological University

## Minutes of the 01st DC Meeting- Approval of Courses

Date:

Name Of the Scholar	VISHNU S BABU
Discipline/Area of Research	Ph.D in Engineering/Technology, Architecture
Name of Research Supervisor	SATHEESH KUMAR (KTU-F30847)
Name of Research Co-Supervisor	R SUNDER (KTU-F36207)
Name of the Place Of Research(Affiliated college/University Department)	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
Chairman Of the DC	Dr Sheeba V S
Name of Convener[Principal of the affiliated college/Academic Head of the University Department ]	NIXON KURUVILA

## Two Compulsory Courses

SL.NO	Course Code	Course	Semester	Exam Slot	M.Tech Stream
1	07GW 6001	Research Methodology	1	S	CSE ✓
2	07CS 7103	Advanced machine Learning	3	A	CSE ✓

## Four Electives[The Scholar has to undergo any two courses]

SL.NO	Course Code	Course	Semester	Exam Slot	M.Tech Stream
1	07CS 6113	Digital Image Processing	1	E	CSE ✓
2	07CS 6113	Algorithms and complexity	1	C	CSE ✓
3	07CS 6120	Soft computing	2	E	CSE
4	07CS 7115	Big Data Analytics	3	B	CSE

Signature DC Members

Research Supervisor

(Dr. R. Sarma)

Chairman, DC

R. Sunder  
26-05-19  
(Dr. R. Sunder)  
Co-Supervisor

26/8/19  
26/8/19

Convener of DC



# APJ ABDULKALAM TECHNOLOGICAL UNIVERSITY

## MINUTES OF THE DOCTORAL COMMITTEE MEETING

The Doctoral Committee Meeting was held on 26-08-2019 at 10.00 A.M. in Sahridaya College of Engineering and Technology, Kodakara, Kerala.

**Place of Research** : Sahridaya College of Engineering and Technology, Kodakara, Thrissur

**Name of the Scholar** : Vishnu S Babu

**Name of the Supervisor**: Dr. R. Satheesh Kumar

**Name of the Co-Supervisor**: Dr. R. Sunder

### Comments/Decisions of Doctoral Committee

1. Dr.Nixon Kuruvila, Principal Convened the Doctoral Committee Meeting.
2. Mr.Vishnu S Babu, Research Scholar presented his research proposal.
3. Dr.Vinod P, External DC Member have Suggested about the Dataset Creation with help of experts from Agricultural University and also while doing survey should focus only reputed journals such as Springer, IEEE Transactions, Elsevier and ACM.
4. Chairman of DC, Dr.Sheeba suggested the courses for the Course Work.
5. Dr.Vinod.P described the guidelines of Comprehensive examination and viva.
6. DC Approved the tentative Research Title as "Plant Disease Detection and classification in Agriculture using Soft Computing Techniques".
7. As per DC Instructions, confirmed the Course Works as in R03 Form.

### **INTERNAL DC MEMBERS**

1. Dr. Rajeswari M
2. Dr. Gnana King G R

*Rn*  
26/8/19  
*Gnana*  
26/8/19

### **RESEARCH SUPERVISOR**

Dr. R. Satheesh Kumar

*R. Satheesh*  
26/8/19

### **CHAIRMAN,DC**

Dr.Sheeba V S

*Sheeba*  
26/8/19

### **EXTERNAL DC MEMBERS**

1. Dr. Vinod P

*Vinod*  
26/8/2019

### **RESEARCH CO-SUPERVISOR**

Dr. R. Sunder

*R. Sunder*  
26-08-2019

### **CONVENER,DC**

Dr.Nixon Kuruvila

*Nixon*  
26/08/19



# APJ Abdul Kalam Technological University

## Registration of Research Scholar

<b>Name of the Research Scholar</b>	ANLY ANTONY M
<b>Address and Contact Details</b>	Postal Address: Mamminissery House P O Kanjirappilly Chalakudy Thrissur Pin 680721 Contact Number: Mobile 9496096815 Landline 0480-2746815 Email: anlyantony1991@gmail.com
<b>Discipline/Area of Research</b>	COMPUTER SCIENCE AND ALLIED BRANCHES
<b>Category of Ph.D registration</b>	Part time scholar
<b>Name and address details of the affiliated college/Place of Research</b>	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
<b>Name and contact details of Research Supervisor/(s)</b>	SATHEESH KUMAR (KTU-F30847) Postal Address: NEDUMPURA PANNAYUR, PALAKKAD Phone: 9895344143 Email: satheeshkumar@sahrdaya.ac.in
<b>Date of Admission of the Ph.D Scholar</b>	22/07/2020
<b>Date of Registration (To be filled in after the 1st DC meeting)</b>	22/07/2020

Signature of Research Scholar

Signature of Guide/(s)

Signature of the principal/ Head of the University Department

[Signature of Dean(Research/Chairman(Doctoral Committee))]



**APJ Abdul Kalam Technological University****Registration of Research Scholar**

<b>Name of the Research Scholar</b>	POOJA DAS MANJULABHAI
<b>Address and Contact Details</b>	Postal Address:Pooja Das Asst Professor BTE Department Sahrdaya College of Engineering Kodakkara Thrissur Contact Number:Mobile 9742956916 Email: pujadas1293@gmail.com
<b>Discipline/Area of Research</b>	BIO-TECHNOLOGY AND ALLIED BRANCHES
<b>Category of Ph.D registration</b>	Full time scholar
<b>Name and address details of the affiliated college/Place of Research</b>	SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY
<b>Name and contact details of Research Supervisor/(s)</b>	DHANYA GANGADHARAN (KTU-F27838) Postal Address: PARAKKATT HOUSE, KURUMASSERY P O, ERNAKULAM -683579 Phone: 9539417734 Email: dhanyag@sahrdaya.ac.in
<b>Name and contact details of Research Co-Supervisor</b>	LEON ITTIACHEN(KTU-F155) Postal Address: 22/100, "Merlin", Nellikunnu, Thrissur East P.O Thrissur 580005 Phone: +919846033233 Email: leon.ittiachen@gmail.com
<b>Date of Admission of the Ph.D Scholar</b>	24/07/2020
<b>Date of Registration (To be filled in after the 1st DC meeting)</b>	24/07/2020

Signature of Research Scholar

Signature of Guide/(s)

Signature of the principal/ Head of the University Department

[Signature of Dean(Research/Chairman(Doctoral Committee))]