



Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

**APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES**

Date of Application:30-06-2020

Department	ELECTRONICS AND COMMUNICATION ENGINEERING	Application No.	20200187
Area of Research	IMAGE AND VIDEO PROCESSING	Research Mode	PART TIME

**Name** :K.KANNAIAH  
**Date of Birth / Age** :20-08-1987 / 32 Years  
**Gender** :MALE  
**Category** :SC  
**e-Mail ID** :kannaiah.kanna9@gmail.com  
**Mobile** :8790231800



<b>Father's/Husband's Name</b>	K.KUPPAIAH	<b>Father's/Husband's Occupation</b>	FORMER
<b>Family Income</b>	500000	<b>Residential Type</b>	RURAL
<b>Birth Place</b>	CHITTOOR, ANDHRA PRADESH	<b>Mother Tongue</b>	TAMIL
<b>Religion</b>	HINDU	<b>Martial Status</b>	MARRIED
<b>Aadhaar No.</b>	668141077424	<b>PAN No.</b>	DZFPK4436K
<b>Physically Challenged</b>	NO	<b>Type of Disability</b>	-
<b>Address for Communication:</b> C-20(B) NBKRIST STAFF QUARTERS VIDYANAGAR NELLORE DISTRICT ANDHRA PRADESH INDIA Pin-524413		<b>Permenant Address:</b> 2-12 P M KANDRIGA CHITTOOR CHITTOOR DISTRICT ANDHRA PRADESH INDIA Pin-524413	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
B.TECH	ECE	JNTU HYDERABAD	2008	62%	FIRST CLASS	REGULAR
M.TECH	ECE - DIGITAL SYSTEMS AND COMPUTER ELECTRONICS	JNTU ANANTAPUR	2016	77%	FIRST CLASS WITH DISTINCTION	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	
NBKR INSTITUTE OF SCIENCE AND TECHNOLOGY	ASSISTANT PROFESSOR	2016-06-01	2020-06-30	TEACHING	
MOTHER THERESA ENGINEERING COLLEGE	ASSISTANT PROFESSOR	2015-07-15	2016-05-30	TEACHING	
MJR COLLEGE OF ENGINEERING	ASSISTANT PROFESSOR	2011-08-18	2015-07-31	TEACHING	
SRI SAI INSTITUTE OF SCIENCE AND TECHNOLOGY	ASSISTANT PROFESSOR	2008-06-25	2011-08-10	TEACHING	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
20200187_200709114921	SUR28978749246	09-07-2020	600	SUCCESS

# Exposure of 3D-Stereoscopic Videos Defects using Binocular Disparity

## **ABSTRACT :**

3D video quality issues that may disturb the human visual system and negatively impact the 3D viewing experience are well known and become more relevant as the availability of 3D video content increases, primarily through 3D cinema, but also through 3D television. Here, we propose four algorithms that exploit available stereo disparity information, in order to detect disturbing stereoscopic effects, namely stereoscopic window violations (SWV), bent window effects, UFO objects and depth jump cuts on stereo videos. After detecting such issues, the proposed algorithms characterize them, based on the stress they cause to the viewer's visual system. Qualitative representative examples, quantitative experimental results on a custom-made video dataset, a parameter sensitivity study and comments on the computational complexity of the algorithms are provided, in order to assess the accuracy and performance of stereoscopic quality defect detection.

Key words :Visual discomfort,3D-Quality,Stereoscopic video, Binocular disparity.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY



HYDERABAD, ANDHRA PRADESH, INDIA

College Code: F1 (N E C, GUDUR)

*Mr. K Hanmaiah*

*S/o Mr. K Kuppaiiah*

having fulfilled the academic requirements and passed the examination  
held during *May - 2008* in *\* First Class \**  
has this day been admitted by the Executive Council to the Degree of

*Bachelor of Technology*

*Electronics & Communication Engineering*

Given under the Seal of the University

H. T. No: 05F15A0409

Date: 27-11-2009



*K. Janani*

*Chinnam*

*E. Sree Babu Reddy*

Controller of Examinations

Director of Evaluation

Registrar

CC 117160

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR



ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

H.T.No:10004D0623

*K Kannaiiah*

*Mo. K Kuppaiah*

*having fulfilled the academic requirements and passed the examination held during January, 2016 in \*\*\* First Class With Distinction \*\*\* has this day been admitted by the Monitoring & Development Committee to the Degree of*

*Master of Technology*  
**(DIGITAL SYSTEMS & COMPUTER ELECTRONICS)**

Friday, 22 April, 2016.

Given under the Seal of the University



*[Signature]*  
Director of Evaluation

*[Signature]*  
Registrar

*[Signature]*  
Vice Chancellor





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**  
HYDERABAD, ANDHRA PRADESH, INDIA

**CONSOLIDATED MARKS MEMO / CREDIT SHEET**



CMM. No.: **C 373452** BACHELOR OF TECHNOLOGY -- ELECTRONICS & COMMUNICATION ENGINEERING

Serial No.:  
Name: **585549685255**  
**K KANNAIAH**

Name of the College: **N E C, GUDUR**  
Month & Year of Final Exam: **May, 2008**

Hall Ticket No.: **05F15A0409**

Year of Admission: **2005-2006**

Class Awarded: **\*\*\* FIRST CLASS \*\*\***

S.No.	COURSE TITLE	INT. MARKS	EXT. MARKS	TOTAL	CREDITS	S.No.	COURSE TITLE	INT. MARKS	EXT. MARKS	TOTAL
		20	80	100				25	50	75

**I YEAR**

**DIRECT ADMISSION INTO II-YEAR UNDER LATERAL ENTRY SCHEME**

I SEMESTER				II YEAR				II SEMESTER			
1	MATHEMATICS - II	13	38	51	4	1	MATHEMATICS - III	13	41	54	
2	ELECTRONIC CIRCUIT ANALYSIS	14	37	51	4	2	MANAGERIAL ECONOMICS & FINANCIAL A	15	44	59	
3	PROBABILITY THEORY & STOCHASTIC PRO	12	28	40	4	3	ELECTRICAL TECHNOLOGY	16	28	44	
4	SIGNALS & SYSTEMS	13	49	62	4	4	CONTROL SYSTEMS	16	29	45	
5	SWITCHING THEORY & LOGIC DESIGN	15	47	62	4	5	EM WAVES & TRANSMISSION LINES	13	47	60	
6	PULSE & DIGITAL CIRCUITS	15	31	46	4	6	COMMUNICATION THEORY	16	31	47	
7	ELECTRONIC CIRCUITS (LAB)	20	44	64	2	7	NETWORKS & ELECTRICAL ENGG. (LAB)	21	37	58	
8	PULSE & DIGITAL CIRCUITS (LAB)	20	42	62	2	8	ANALOG COMMUNICATIONS (LAB)	22	40	62	

I SEMESTER				III YEAR				II SEMESTER			
1	MANAGEMENT SCIENCE	16	53	69	4	1	COMMUNICATION SYSTEMS	19	40	59	
2	COMPUTER ORGANIZATION	19	42	61	4	2	ELECTRONIC MEAS. & INSTRUMENTATION	13	55	68	
3	DIGITAL IC APPLICATIONS	16	40	56	4	3	DIGITAL SIGNAL PROCESSING	12	41	53	
4	ANTENNAS & WAVE PROPAGATION	16	37	53	4	4	MICROWAVE ENGINEERING	16	37	53	
5	LINEAR IC APPLICATIONS	16	30	46	4	5	VLSI DESIGN	17	41	58	
6	DIGITAL COMMUNICATIONS	14	33	47	4	6	MICROPROCESSORS AND INTERFACING	15	43	58	
7	LINEAR IC APPLICATIONS (LAB)	19	40	59	2	7	MICROPROCESSORS (LAB)	22	42	64	
8	DIGITAL COMMUNICATIONS (LAB)	22	47	69	2	8	ELECTRONIC CAD (LAB)	22	30	52	

I SEMESTER				IV YEAR				II SEMESTER			
1	OPERATING SYSTEMS	18	41	59	4	1	CELLULAR & MOBILE COMM.	19	47	66	
2	COMPUTER NETWORKS	17	34	51	4	2	RADAR ENGINEERING	20	53	73	
3	TV ENGINEERING	14	50	64	4	3	PROJECT & SEMINAR #	37	131	168	
4	OPTICAL COMMUNICATIONS	16	40	56	4						
5	SATELLITE COMMUNICATIONS	17	42	59	4						
6	DIGITAL IMAGE PROCESSING	16	44	60	4						
7	DIGITAL SIGNAL PROCESSING LAB	18	36	54	2						
8	MICROWAVE & OPTICAL COMM. LAB	23	40	63	2						

Number of Credits registered for : **156** (# Project Internal = 40, External = 160)  
Aggregate Marks Secured for best : **156 CREDITS TOTAL 2565 OUT OF 4150 (61.81 %)**

Date of Declaration of Result **May 16, 2008** (\*\*Courses registered but not counted for calculation of aggregate)

*B. Deay Kumar*  
CONTROLLER OF EXAMINATIONS









JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR  
COLLEGE OF ENGINEERING, (AUTONOMOUS), ANANTHAPURAMU.

### TRANSFER CERTIFICATE

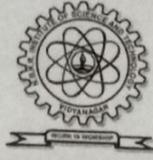
No: 1349

1. Name of the student : K. KANNATAH
2. Admission No. : 10004D0623
3. Nationality, religion or Caste : Indian Hindu - SC
4. Date of birth as entered in the admission register : 20-08-1987 (Two Zero August One Nine Eight Seven)
5. Class in which the pupil was reading at the time of leaving (in words) : M.Tech - ECE - DSCE
6. Date of Admission : 22-04-2010
7. Whether qualified for promotion to next higher class. : - Yes -
8. Whether the pupil has paid all the/dues to the College : - Yes -
9. Whether the pupil has undergone medical inspection during the year (First to be specified) : - Yes -
10. Date on which the pupil actually left the College : January-2016
11. Date on which application for transfer certificate was made on behalf of the pupil by his parent or guardian. : 18-01-2016
12. Date of transfer certificate : 18-01-2016



  
Principal

JNTUA College of Engineering,  
Ananthapuramu.



**N.B.K.R. INSTITUTE OF SCIENCE & TECHNOLOGY**

(AUTONOMOUS)

**COLLEGE WITH POTENTIAL FOR EXCELLENCE (CPE)**

Affiliated to JNTUA, Anantapuramu : Re-Accredited by NAAC with 'A' Grade

**B.Tech. (ECE, EEE, CSE, CE, ME) Courses Accredited by NBA under TIER-I**

VIDYANAGAR - 524 413, S.P.S.R.NELLORE DIST., A.P.

e-mail : [ist@nbkrist.org](mailto:ist@nbkrist.org), website : [www.nbkrist.org](http://www.nbkrist.org), Phone : (08624) 228247, 228547

No.C-7(839)/2016-2020

10 February 2020

**SERVICE CERTIFICATE**

This is to certify that **Sri K. Kannaiah**, has been working as Assistant Professor on Regular Basis in the Department of Electronics & Communication Engineering since **01.06.2016** in this Institute.

This certificate is issued at his request to enable him to attend an interview for admission into Part-time Ph.D. Programme at **JNTUA, Anantapuramu**.

DIRECTOR

N.B.K.R. Institute of Science & Technology  
Vidyanagar, SPSR Nellore Dt., AP.



## MOTHER THERESA INSTITUTE OF ENGINEERING AND TECHNOLOGY

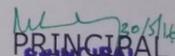
( UNDER HOLY CROSS EDUCATIONAL SOCIETY )

Approved by AICTE, New Delhi, Affiliated to JNTUA, Anantapuramu, A.P.

### SERVICE CERTIFICATE

This is to certify that **Mr.K.Kannaiah** is worked as  
Asst. Professor in the Department of Electronics & Communication  
Engineering in this college from 19.06.2015 to 30.05.2016.  
During this period his conduct and character are found to be  
good.

Place: Palamaner,  
Date: 30.05.2016

  
PRINCIPAL  
Mother Theresa Institute of  
Engineering and Technology  
PALAMANER - 517 408

Melumoi Post, PALAMANER - 517 408, Chittoor Dist., (A.P.)

☎ : 08579-268589, 268588 Fax : 08579 - 268584

email :mtieat@gmail.com. Web : www.mtitech.edu.in.



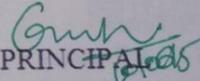
# MJR COLLEGE OF ENGINEERING & TECHNOLOGY

DIGUVAPOKALAVARIPALLI, Pulicherla Mandal - 517 113, Chittoor Dt. (A.P.)  
Ph. : 08584 - 242466, Fax : 08584 - 242455

Date: 10/06/2015

## SERVICE CERTIFICATE

This is to certify that **Mr.K.Kannaiah** worked as an Asst. Professor in the Department of **Electronics and Communication Engineering** from 17-08-2011 to 10-06-2015. During this period his conduct was good.

  
PRINCIPAL

PRINCIPAL  
MJR COLLEGE OF ENGINEERING & TECHNOLOGY  
DIGUVAPOKALAVARIPALLI (VILL & POST)  
PULICHERLA MANDAL, CHITTOOR (DIST)  
ANDHRA PRADESH - 517113



## SRI SAI INSTITUTE OF TECHNOLOGY AND SCIENCE

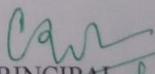
(Approved by AICTE New Delhi & Affiliated to JNT University, Anantapur)

RAYACHOTY - 516 270, KADAPA DISTRICT, A.P.

Date: 16/08/2011

### SERVICE CERTIFICATE

This is to certify that **Mr.K.KANNAIAH** has worked as an Asst. Professor in the Department of **Electronics and Communication Engineering** from 25-06-2008 to 16-08-2011. During this period his conduct is found good.

  
PRINCIPAL  
16/08/11

PRINCIPAL  
Sri Sai Institute of Technology and Science  
RAYACHOTI - 516270  
Kadapa (Dist) A.P.



आयकर विभाग

INCOME TAX DEPARTMENT



भारत सरकार

GOVT. OF INDIA

K KANNAIAH

KUPPAIAH KUPPAIAH

20/08/1987

Permanent Account Number

DZFPK4435K

Signature



**INDIAN UNION DRIVING LICENCE  
ANDHRA PRADESH**

**AP222600316432018**



**K KANNAIAH  
S/O K KUPPAIAH  
C 20 B  
NBKRIST STAFF QUATERS  
VIDHYA NAGAR, NELLORE,  
KOTA  
NELLORE-524413**



**Audhar  
Authenticated**

**Digitaly  
Signed by**

**Issued On: 21-04-2018**

**Licensing Authority  
RTA GUDUR**

Non Transport

Motor Cycle With / Without Gear Light Motor  
Vehicle Non Transport

Date of Validity  
Transport

19-08-2037

Date of Validity  
Badge No.

Reference No.

Original LA

AP22600316432018

RTA GUDUR

Date of First Issue

21-04-2018

Date of Birth

20-08-1987

Blood Group

A +

FL/22600316432018



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GOVERNMENT OF ANDHRA PRADESH  
REVENUE DEPARTMENT

Application No



CGC011401300586

Date : 21/10/2014

COMMUNITY, NATIVITY & DATE OF BIRTH CERTIFICATE

1. This is to certify that the Sr/Srimathi/Kumari **K KANNATAH** S/o / D/o / M/o / F/o / W/o / H/o / C/o Sr. **KUPPATAH** of **THALAMBEDU** village / Town of **Chittoor** Mandal of **Chittoor** District of the State Andhra Pradesh belongs to **Adi Dravida (SC)** Community / Caste which is recognized as Scheduled Community / Caste under The Constitution (Scheduled Tribes) Order, 1950, S.Cs, S.Ts list (Modification) order 1956 and S.Ts (Amendment) Act 1976 as Amended from time to time.

2. It is certified that the Sr/Srimathi/Kumari **K KANNATAH** is a native of **P. M. KANDIGA HW** Locality/Landmark of **THALAMBEDU** village / Town of **Chittoor** Mandal of **Chittoor** District of the State Andhra Pradesh.

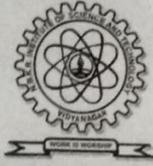
3. It is certified that the place of Birth Sr/Srimathi/Kumari **K KANNATAH** is of **THALAMBEDU** village / Town of **Chittoor** Mandal of **Chittoor** District of the State Andhra Pradesh.

4. It is certified that the Date of Birth Sr/Srimathi/Kumari **K KANNATAH** is **20** Day **August** Month **1987** Year (in words) **Two Zero - August - One Nine Eight Seven** as per the declaration given by his/her father/Mother/Guardian and as entered in the School records where he/she studied.

Certified By

Name : V S SIVA KUMAR  
Designation : TAHSELDAR  
Mandal : Chittoor

Note : This is Digitally Signed Certificate, does not require physical signature. And this certificate can be verified at <http://www.ap.mee seva.gov.in/> by furnishing the application number mentioned in the Certificate.



**N.B.K.R. INSTITUTE OF SCIENCE & TECHNOLOGY**

(AUTONOMOUS)

**COLLEGE WITH POTENTIAL FOR EXCELLENCE (CPE)**

Affiliated to JNTUA, Anantapuramu : : Re-Accredited by NAAC with 'A' Grade

**B.Tech. (ECE, EEE, CSE, CE, ME) Courses Accredited by NBA under TIER-I**

VIDYANAGAR - 524 413, S.P.S.R.NELLORE DIST., A.P.

c-mail : [ist@nbkrist.org](mailto:ist@nbkrist.org), website : [www.nbkrist.org](http://www.nbkrist.org), Phone : (08624) 228247, 228547

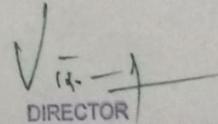
No.C-7(839)/2016-2020

10 February 2020

**NO OBJECTION CERTIFICATE**

This is to certify that **Sri K. Kannaiah**, Assistant Professor in the Department of Electronics & Communication Engineering has been working in this Institute since **01.06.2016**.

This Institute has no objection for him to attend an interview for admission into Part-time Ph.D. Programme at **JNTUA, Anantapuramu**.

  
DIRECTOR

N.B.K.R. Institute of Science & Technology  
Vidyanagar, SPSR Nellore Dt., AP.