Submitted: 16.01.2018

Sub: International Conference on Multimedia Processing, Communications and Information Technology during May 11-12 2018.

We, The Department of E&C and TCE are happy to propose for organizing an **International Conference on Multimedia Processing, Communications and Information Technology during May 11-12, 2018,** in association with the Institute of Doctors Engineers and Scientists (IDES), Trivendrum and conference papers are published in ICPS which is a subsidiary Conference Proceedings Publication wing of the IDES.

The detailed budget estimate for organizing the conference is enclosed. We request you to kindly permit to organize the conference and approve a budget of Rs. 1.5 Lakhs.

Dr. S. V. Sathyanarayana

²/c Head of the Department
Electronics and Communication
J.N.N. College of Engineering
SHIMOGA-577 204.

Dr. M.B. Ushadevi
Head of the Department
Dept. of Telecommunication Engg.
J.N.N. College of Engineering
SHIMOGA-577 204.

No: JNNCE/NES/341/2017-18   D: 17/1/2018

Forwarded to Secretary, NES

so far we have organised only two (2) Slternating conferences in last 37 years and the proposed is the 3rd one, organised by EC&/TC& dept. Request your approval to organise this conference and budget of (Rs. 1.5 Lakhs.)

NES/3955/17-18 D: 25/01/2018
Submitted for Approval   yes)   16/11/6

HOD, E.E

Funds reserved
in the budget for 2017-18
of Rs. 20 Lakhs.

Ashwini

National Education Society (R)

Jawaharlal Nehru National College of Engineering

Shivamogga, Karnataka, India

Internal Quality Assurance Cell

International Conference

on

'Multimedia Processing, Communications and Information Technology'- MPCIT 2018

Organized by

**Departments of
Electronics & Communication Engg. &
Telecommunication Engg.**

in association with
ISTE, New Delhi
on
11 – 12, May, 2018

National Advisory Committee
Dr. S. Sadagopan, Professor, IIITB, Bangalore, India
Mr. M. N. Vidyashankar, Principal Secretary to Govt. of Karnataka, Bangalore
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Conference Conveners
Dr. P. Manjunatha, HOD, ECE
Dr. M. B. Ushadevi, HOD, TCE

Conference Co-conveners
Dr. S. V. Sathyanarayana, Professor, ECE
Ashwini S. R. Assistant Professor, TCE

Item	For authors from Host Country	For International authors
Author Registration Fees	Rs. 3000/-	USD 100
Extra page charge (per Page)	Rs. 500/-	USD 15
Attendee	Rs. 2000/-	USD 75

For further details contact

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Jawaharlal Nehru National College of Engineering, Shimoga
International conference on "Multimedia processing, Communications and Information Technology-MPCIT 2018"
8-9, June 2018

Program Schedule
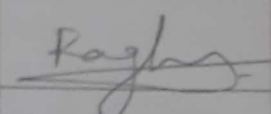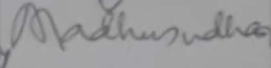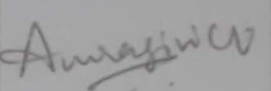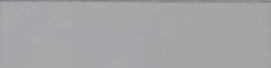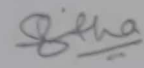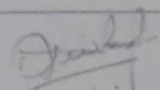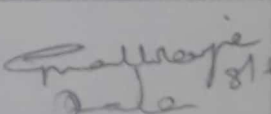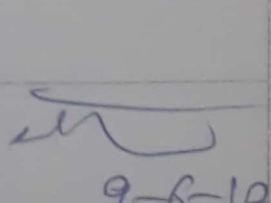
8.6.2018, Friday	
8.30 AM To 9.30 AM	Registration
9.30 AM To 10.30 AM	Inauguration
10.30 AM To 11.30 AM	**Keynote speech** by Dr. A.G. Ramakrishnan, Professor, IISc Bangalore
11.30 AM To 11.45 AM	Tea Break
11.45 AM To 12.45 PM	**Invited Talk -1** Dr. Harish Chouhan, CEO & Founder, Cohan Consulting, Bangalore
1.00PM – 1.45PM	Lunch
2.00PM – 3.00PM	**Invited Talk -2** Dr. D.S.Guru, Professor, DOS in CS, Mysore University
3.00PM – 3.15PM	Tea Break
3.15PM -4.15PM	Paper Presentation -1
4.15PM – 5.15PM	Paper Presentation -2
9.6.2018, Saturday	
9.30 AM To 10.30 AM	Paper Presentation -3
10.30 AM To 11.30 AM	**Invited Talk -3** Dr. G K Patra, Senior Principal Scientist, CSIR, Bangalore
11.30 AM To 11.45 AM	Tea Break
11.45 AM To 12.45 PM	**Invited Talk -4** Mr Virendra Kumar Mittal, Member Senior Research Staff, Central Research Laboratory, BEL, Bangalore
1.00PM – 1.45PM	Lunch
2.00PM – 3.00PM	**Invited Talk -5** Pallavi Arora, Senior Director, CISCO Bangalore
3.00PM – 3.15PM	Tea Break
3.15PM -4.15PM	Paper Presentation -4
4.15PM – 5.15PM	Valedictory Program

Paper ID	Paper Title	Author(s) Name	Signature
MPCIT 09	ENCRYPTION AND DECRYPTION OF AN IMAGE DATA – A PARALLEL APPROACH	Raghu M E, K C Ravishankar	*Raghu*
10 R	EXTRACTION OF REFLECTED PART IN AN IMAGEBASED ON ILLUMINATION	Suresha M And Madhusudhan S, KUVEMPU UNIVERSITY	*Madhusudhan S*
12	IOT BASED LIGHTNING PREDICTION SYSTEM ANFD MEASUREMENT OF DIFFERENT WEATHER PARAMETERS	Anuragini C V, Prabhavathi P	*Anuragini CV*
15a	IMAGE SMOOTHENING GRADIENT MAGNITUDE NMS AND THRESHOLDING ARCHITECTURE OF CED FOR LUNG CANCER DETECTION	Chandrashekar N.S., Dr. K.R. Nataraj	
15b FB	A SURVEY ON CAPACITIVE BASED CO_2 GAS SENSOR	Shwetha H.R, Dr. Rudraswamy S. B	*Shwetha*
17a	WATER AND AIR QUALITY MONITORING SYSTEM USING IOT	Ashwini Doni, Chidananda Murthy M.V, Dr M Z Kurian	
17c	DISTRIBUTED HUMAN INTERACTION PROOF FOR PUBLIC BLOCKCHAIN PLATFORM	S. Mahesh Kumar, Sindhu M, M. Sethumadhavan, Lakshmy K.V	
57 FB	DESIGN AND DEVELOPMENT OF SMART HOME AUTOMATION USING INTERNET OF THINGS	C. S. Mala, Mallikarjuna Gowda C P, Ambika R	*Mallaraje 8/6/18*
18	A NEW ALGORITHM FOR SKEW DETECTION AND CORRECTION OF HISTORICAL KANNADA DOCUMENTS	Banumathi K L, Dr. Jagadeesh Chandra A P	
24	CONVOLUTION NEURAL NETWORK BASED WEED DETECTION IN HORTICULTURE PLANTATION	Sandeep Kumar K, Dr. Rajeswari, Usha B N	
29	IMPLEMENTATION OF GESTURE ALERT AND HEALTH ASSISTANCE SYSTEM FOR PHYSICALLY DISABLED USING INTERNET OF THINGS (IOT)	Vidyavarshini H J, Dr. Neha Mangla,	
37 R	MONITORING OF INTER-TURN INSULATION DEGRADATION IN INDUCTION MOTOR USING SPIRIT THERMOMETER AND INTEGRATED PROGRAMMABLE PLATFORM	Satyanarayana Rao R.D, K S Aprameya	*9-6-10*

	Title	Authors	Signature
✓	ARTIFICIAL INTELLIGENT METER DEVELOPMENT BASED ON ADVANCE METERING INFRASTRUCTURE TECHNOLOGY	Ganesh.H, Varun.S B, Ashwath.V.R, Anil.V.R, Sumanth.H.G	*(signature)*
B	32-BIT LINEAR FEEDBACK SHIFT REGISTER WITH POWER GATING TECHNIQUE	Rebecca Angela Fernandes, Niju Rajan	
4	AN 8-BIT 10 KS/S 67.8 MW DOUBLE ENDED DAC BASED SAR ADC	Abdul Khalid, Mahaveera K	
7b ✓	APPLICATION OF SOFT COMPUTING TECHNIQUES IN STUDENT ACADEMIC PERFORMANCE EVALUATION	A.L.Gudyalakar V.B. Deshmukh S.R.Mangalwede D. H. Rao	*(signature)* Gudyalkar

(signature) 9.6-2016

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J.N.C.E., SHIMOGA.

International Conference MPCIT-2018,8 and 9 June
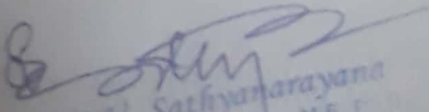
Department of Electronics and Communication Engineering

Sl No	USN	Name	Day 1		Day 2	
		6th sem ECE	Session 1	Session 2	Session 3	Session 4
1	4JN14EC062	POOJA M M	*sig*	*sig*	*sig*	*sig*
2	4JN14EC078	RENUKA D P				
3	4JN15EC001	ADARSH B P				
4	4JN15EC002	ADARSHA H M				
5	4JN15EC003	ADITYA K B				
6	4JN15EC005	ANANYA K				
7	4JN15EC006	ANNAPURNA R H				
8	4JN15EC007	ANUP K M				
9	4JN15EC008	ANUSH A L				
10	4JN15EC009	ANUSH GOWDA B M				
11	4JN15EC011	ASHWITHA M				
12	4JN15EC012	ASIMA SIDDIQ				
13	4JN15EC013	BASAVARAJ V BADDI				
14	4JN15EC014	BHAVANA S	*sig*	*sig*	*sig*	*sig*
15	4JN15EC015	CHAITRA B R				
16	4JN15EC016	CHAITHRA S V				
17	4JN15EC017	CHANDANA C	Chandana c	Chandana c	Chandana c	Chandana c
18	4JN15EC018	DEEKSHA NAYAK	Deeksha	Deeksha	Deeksha	Deeksha
19	4JN15EC019	DEEKSHITHA S				
20	4JN15EC020	DEEPTHI C SHETTY				
21	4JN15EC021	DEEPTHI DATTA	Del	Del	Del	Del
22	4JN15EC022	DIVYA C SHETTY				
23	4JN15EC023	GAGAN D				
24	4JN15EC025	GAGANA M L				
25	4JN15EC027	GURURAJ M R				
26	4JN15EC028	HARISH G S				
27	4JN15EC029	HARSHITA M K				
28	4JN15EC030	K R ROHAN	Rohan		Rohan	Rohan
29	4JN15EC031	KARTHIK N	Kaith			
30	4JN15EC032	KAVERI S T				
31	4JN15EC033	KAVYA A				
32	4JN15EC034	KEERTHI KASHYAP S				
33	4JN15EC035	KESHAV R TIKARE	K R Tikare	K R Tikare	K R Tikare	K R Tikare
34	4JN15EC036	KOUSHIK R UDUPA	Budu	Budu	Budu	
35	4JN15EC037	LATHASHREE L				
36	4JN15EC039	MAMATHA R				
37	4JN15EC040	MANJUNATH R	Manj			
38	4JN15EC041	MANOJ KUMAR				
39	4JN15EC043	MOHAMMED M				
40	4JN15EC044	MOHAMMED T A J				
41	4JN15EC045	MURALIDHAR R				
42	4JN15EC046	NANDINI M				
43	4JN15EC047	NAVEEN G				
44	4JN15EC048	NIKITHA N L	Nikith NL	Nikitha	Nikith	Nikith NL
45	4JN15EC049	POOJA K P				
46	4JN15EC050	POOJA PAI	Po	Po	Po	Po
47	4JN15EC051	POOJA R				
48	4JN15EC052	POOJA S				

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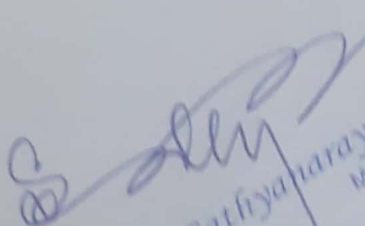
		6th sem ECE				
49	4JN15EC053	POOJA G T H				
50	4JN15EC054	POORNIMA M G				
51	4JN15EC056	PRAKASH C				
52	4JN15EC103	AKHILESH S				
53	4JN16EC400	ANAND HAVALADAR				
54	4JN16EC403	CHAITHRA N S				
55	4JN16EC404	CHAITRA S				
56	4JN16EC405	DEEPA M C				
57	4JN16EC407	HARSHITHA S				
58	4JN16EC413	MEGHANA R				
59	4JN16EC424	PRIYANKA H R				
60	4JN16EC425	PRIYANKA N				
61	4JN16EC432	SANJAY S				
62	4JN16EC434	SHARATH B C				
63	4JN16EC435	SHARATH G R				
64	4JN16EC437	SHILPA L				
65	4JN16EC438	SHOBHITH M				
66	4JN16EC444	YASHASWI L K				
67	4JN14EC037	INCHARA R I				
68	4JN14EC040	KAVYA H M				
69	4JN14EC053	NEHA B J				
70	4JN14EC063	PRADEEP B				
71	4JN14EC066	PRATEEK J R				
72	4JN14EC079	SACHIN B HOSETTI				
73	4JN15EC057	PRAKRUTI G K				
74	4JN15EC058	PRAMOD K N				
75	4JN15EC059	PRIYANKA VASANTH G				
76	4JN15EC062	RAHUL A POOJAR				
77	4JN15EC063	RAHUL H A				
78	4JN15EC064	RAJASHRI M				
79	4JN15EC065	RAJENDRA S				
80	4JN15EC066	RAJESHA M U				
81	4JN15EC067	RAKSHITA B				
82	4JN15EC068	RANJITH KUMAR K M				
83	4JN15EC069	REHANA BEGUM				
84	4JN15EC070	RIDHI S JAIN	Ridhi	Ridhi	Ridhi	Ridhi
85	4JN15EC071	RUCHIKA E				
86	4JN15EC072	SACHIN KUMAR K				
87	4JN15EC073	SAHANA H S				
88	4JN15EC074	SAHANA N G				
89	4JN15EC075	SANANDANA B V				
90	4JN15EC076	SHASHANK S K				
91	4JN15EC078	SHREERAKSHA				
92	4JN15EC080	SHRINIDHI G HEGDE				
93	4JN15EC081	SINDHU A G				
94	4JN15EC082	S SINDHU				
95	4JN15EC085	SNEHA S				
96	4JN15EC086	SRILAKSHMI N S R				
97	4JN15EC088	SUMUKHA Y PAWAR	Sumukha		Sumukha	Sumukha
98	4JN15EC089	SUPRITH H H				
99	4JN15EC090	SWAROOP G S				
100	4JN15EC091	SWATHI G S				
101	4JN15EC092	SWATHI S Y	Swathi	Swathi	Swathi	Swathi
102	4JN15EC093	SYEDA AYESHA S				

Dr. S. V. Sathyanarayana M.E. P
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Sl No	USN	Name	Session 1	Session 2	Session 3	Session 4
103	4JN15EC094	SYEDA SABIHA K				
104	4JN15EC095	TEJASWINI B R				
105	4JN15EC096	TEJASWINI BAI P				
106	4JN15EC097	UME KULSUM				
107	4JN15EC098	VAISHAKHA M				
108	4JN15EC099	VIDHYASHREE H B				
109	4JN15EC102	YASHASWINI S R	*(signature)*	*(signature)*	*(signature)*	*(signature)*
110	4JN16EC401	BEERAPPA MAJJAGI				
111	4JN16EC406	GAGANA S	*(signature)*	*(signature)*	*(signature)*	*(signature)*
112	4JN16EC409	K A SANGEETHA				
113	4JN16EC410	KARTHIKA M				
114	4JN16EC411	KAVANA B M				
115	4JN16EC412	MEGHANA N				
116	4JN16EC415	MOHAN N				
117	4JN16EC416	NAGENDRA H S				
118	4JN16EC417	NANDAN H R				
119	4JN16EC421	PAVANKUMAR N				
120	4JN16EC422	POORNIMA B				
121	4JN16EC423	PRASHANTH M P				
122	4JN16EC426	RAJESHA P				
123	4JN16EC427	RAMYA M				
124	4JN16EC428	RAMYA T R				
125	4JN16EC430	RENUKA M M				
126	4JN16EC431	SALEEM ISMAIL S				
127	4JN16EC433	SHANKARA C V				
128	4JN16EC436	SHARMILA M B				
129	4JN16EC439	SINDHU D V				
130	4JN16EC443	VARUNKUMAR M V				

Dr. S.V. Sathyanarayan M.E.
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	Name	Dept.	Sign
1	Sankhya N Nayak ✓	CS&E	
2.	Sowmya.D ✓	CS&E	
3.	Dr Jalesh Kumar ✓	CSE	
4.	A Jyothi K ✓	ISE	
5.	Ayesha Siddika ✓	CSE	
6)	Vedananda DE ✓	CSE	
7)	R. Sanjeev umte	CSE	
8)	Mohan HG ✓	CSE	
9)	Nandish. M ✓	CSE	
10)	SAYYED JOHAR ✓	CSE	
11)	Manjula G.R ✓	CSE	
12)	K V chaitra ✓	CSE	
13)	Radhika S.N ✓	CSE	
14)	Thaseen Bhashu ✓	CS&E	
15)	Chetana ✓	CS&E	
16.	Hiriyanna ✓	CSE	
17.	Ravindra. S ✓	CSE	
18)	Pushpa. R.N ✓	CSE	
19)	Sreedevi.S ✓	CSE	
20)	Mamatha M V ✓	CSE	
21)	Benakappa SM ✓	CS&E	
22)	Girish Manthi ✓	ISE	

	Name	Dept	Signature
23)	Shanthi Kiran H	H ...	
24)	Santhosh S.G.	MCA	
25)	D. Vikram V	MBA	
26)	Dr. Lakshmeesha Kant K.S	MBA	
27)	Raghavendra R.J	ISE	
28)	Sandhya R	MCA	
29)	Vishwas C.H.M	ISE	
30)	C.V. Suresh	ISE	
31)	S. Sathyanarayan	CSE	
32)	Hemanth Kumar	MCA	
33)	Pavan Kumar H.P	ISE	
34)	Prashant Ankalkoti	MCA	
35)	Sudeep Manohar	MCA	
36)	Sameer Mubeen	ISE	
37)	Tarathi	ISE	
38)	Sathyanarayan K.B	ISE	
39)	Sucheth... U.C.	ISE	
40)	Dr. Nirmala T	Maths	
41)	Sushma R.B	CSE	
42)	Rashmi R	ISE	
43)	Suretha G.P	ISE	
44)	Arun Kumar P	ISE	
45)	H.M. Maheshwarappa	EEE	
46)	Adarsh M.J.	MCA	

47) Manjunatha H.T	MCA		M
48) Chandrakant. Bhat	Librarian		CR
49) G V Sowmya	ISE		
50) Chethan G S	ISE		
51) Arunkumar. K.L	MCA		A
52) Raghavendra. SP	MCA		SP Raghuuus
53) Akshay M J	ISE		
54) Pavan Pawan M	ISE		
55 Deepan V. B.	ISVC		
56) Mallesh Kumar. K.S	NAIN	Dr. S.V. Sathyanarayana M.E, Ph.D	

Dept. of
I N H C E Shimoga

International Conference MPCIT-2018, 8 and 9 June
Department of Electronics and Communication Engineering
J.N.N College of Engineering, Shimoga

UBDT COLLEGE OF ENGINEERING
Students Registration

Certificate issued

Sl No.	NAME	SEM	Signature	
1.	NABI M	M.Tech 4th	Nabi M	Paid
2.	Ratna	M.Tech 4th	Ratna	Paid
3.	Vedha N S	M.Tech 4th	Ved	Paid.
4.	Raleesh M.B	M.tech 1st	Raleesh M.B	Paid
5.	ASHWINI H.R	M.tech 2yr	Ashwini HR	Pa
6.	Vijeta, M. Dhulehoti	M.tech 1yr	Vijeta	Paid
7.	Bibi Aima. Desai	M.tech 1year	Aima	paid.
8.	NAGASHRI JA	M.Tech 3rd	Nagashri JA	Paid.
9.	SANGEETHA	M.Tech 3rd	Sangeetha N C	Paid (m)
10.	SUBHASHREE	M.tech 3rd	Shub	Paid (m)
11.	Rajeev B.N	M.Tech 1st	Rajeev	Paid.
12.	patel G P	M.Tech	P	paid (mpipatal)

9.6.2018

External Participants

1	Dileep Kumar M.J	NMAMII Nitte		9900918819
2	Mohan Naik.P	SDMIT Ujire	Mohan	9901320434
3	Soumya.TK	SDMIT Ujire		9480593555
.4	pateel G.p	UBDTCE		9449801801

National Education Society ®

Jawaharlal Nehru National College of Engineering
Shimoga, Karnataka

Departments of Electronics & Communication Engineering and Telecommunication Engineering

International Conference on Multimedia Processing, Communication & Information Technology
(8-9, June 2018)

in association with

Institute for Exploring Advances in Engineering (IEAE)

Certificate

This is to certify that

Dr./Prof./Mr./Ms./Mrs. __Dr. Harish Chouhan, CEO & Founder, Chouhan Consulting, Bangalore__ has served as

Chief Guest | Keynote Speaker | Session Chair

in International Conference on Multimedia Processing, Communication & Information Technology MPCIT 2018 held at J.N.N. College of Engineering, Shimoga, Karnataka during 8-9, June 2018.

(Dr. P. Manjunatha)
HOD, E & C

(Dr. M. B. Ushadevi)
HOD, TCE

(Mr. Nanjesh Bennur)
Director, IEAE

(Dr.H.R.Mahadevaswamy)
Principal, JNNCE

SERB INDIA   IEAE   ISTE   IETE

Jawaharlal Nehru National College of Engineering, Shimoga
International conference on "Multimedia processing, Communications and
Information Technology-MPCIT 2018"

8-9, June 2018

FEEDBACK FORM

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Your opinion about:

		Not Satisfactory	Satisfactory	Good
1.	TECHNICAL SESSIONS			✓
2.	FOOD			✓
3.	ACCOMMODATION			—
4.	HOSPITALITY			✓
5.	HALL ARRANGEMENTS			✓
6.	THE OVERALL ARRANGEMENTS			✓

In your opinion which are the major strengths of the MPCIT 2018

1. Technical talk by Mrs. Pallavi Arora.   3.

2.   is good.   4.

In your opinion which are the major weaknesses of the MPCIT 2018

1.   3.

2.   4.

Any Other Suggestions:

Nehru National College of Engineering, Shimoga
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Information Technology-MPCIT 2018"

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FEEDBACK FORM

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Your opinion about:

		Not Satisfactory	Satisfactory	Good
1.	TECHNICAL SESSIONS			✓
2.	FOOD			✓
3.	ACCOMMODATION			✓
4.	HOSPITALITY			✓
5.	HALL ARRANGEMENTS			✓
6.	THE OVERALL ARRANGEMENTS			✓

In your opinion which are the major strengths of the MPCIT 2018
1. Key notes from all Guests.   3. Food & Accomadation was very nic
2. Dr D.S. Guru. Sir speech   4. The Speech of Pallavi Arora Mam
       was very nice.

In your opinion which are the major weaknesses of the MPCIT 2018

1. More research scholos are need
          present the paper.   3.
2. Need to Make a standard format of   4.
      ppt by the participants.

Any Other Suggestions:

Thank You. So much for giving an opportunity to attend the
Conference. I Specially Thanks to 'Sri Satyanarayan' Sir for make all
arrangements to us..and also the whole dept.. We known about the
many things about the industry & technologies.

(Please return this form completed in all respects to the coordinator during valediction)

A Report on

International Conference on Multimedia Processing & Information Technology

MPCIT 2018

The Departments of Electronics & Communication Engineering and Telecommunication Engineering, JNN College of Engineering in association with Institute for Exploring Advances in Science & Engineering, organized International Conference on Multimedia Processing & Information Technology - MPCIT 2018 during June 8-9, 2018.

In the last few years, multimedia processing has emerged as an important technology to generate contents based on images, audio, graphics, animation, full motion video and text, and it has opened a wide range of applications by combining these different information sources, thus giving insights in the interpretation of the multimedia content. Lot of major research is taking place in the areas of Multimedia, Communication, Image Processing & Pattern Recognition and Information Technology. The main intention is to provide a unique forum to present and publish papers dealing with the state–of–art technologies in Computer Science, Electrical and Electronics Engineering. Papers dealing with novel approaches to model current and emerging technologies in all these Engineering fields are encouraged. The main objective of the conference was to provide a common platform to academicians, scientists, R & D professionals, Engineers from industries and research scholars for interaction and to discuss about the latest developments taking place in the field of Electronics & Communication Engineering. The proceedings of the conference were published in the form of a Book containing the details of our college, department, advisory committee, organizing committee, review committee, full text of all the registered papers was released during the conference. The response to the conference was overwhelming and a total of 62 papers were received from different parts of the country and state. After, a review process, 51 papers were accepted, out of which 30 authors registered for the conference.

The conference was inaugurated on 8th June 2018 by Dr. A G Ramakrishnan, Professor, Department of Electrical Engineering, IISc Bangalore in the presence of Dr. Harish Chouhan, CEO & founder, Cohan Consulting, Bangalore, Sri S N Nagaraja, Secretary, National Education Society and Dr. L K Sreepathi, Vice-principal of JNNCE. The programme was presided by Principal Dr. H R Mahadevaswamy. Dr. P Manjunath, HOD, E&C Dept. welcomed the gathering and Dr. Ushadevi M B, HOD, TCE Dept. Proposed the vote of thanks. Dr. S V Sathyanarayana presented an insight of the conference and purpose. In the inaugural speech, Dr. A G Ramakrishanan highlighted the importance of conferences for students in an

Dr. Hariah Chouhan appreciated the need of conference as it provides a platform to share the research findings so as to explore the emerging areas in science and technology. Sri S N Nagaraja in his speech quoted the use of multimedia in day to day transaction and the need to improve it. Dr. L K Sreepathi highlighted the penetration of multimedia in nook and corner of the world and necessity of multimedia authentication to avoid misuse of original information. Dr. H R Mahadevaswamy emphasized on the necessity of multimedia communication and processing in the present digital world. The inaugural function was followed by Key note address by Dr. A G Ramakrishnan on Mathematics in machine learning - a geometric approach. In his presentation he explained the importance of mathematics in machine learning and other related research areas. Research scholars were advised to study the mathematical concepts in view of Engineering approach. He also gave an insight of concept of vectors and geometrical interpretation to simplify mathematical analysis. The address was concluded with a brief overview of principal components and its uses.

First day post tea session was an invited talk from Dr. Harish Chouhan, CEO & Founder, Cohan Consulting, Bangalore on the topic Market Trends & Needs of Multimedia Technologies. In his talk he presented the current trend and opportunities in the area of multimedia technologies. His presentation was having all the statistical data about the needs in Information Technology market. Post Lunch Session was paper presentations from research scholars and PG students. There were two sessions and 7 papers were presented. These sessions were chaired by Dr. Ganesh Ithal, Dean R & D, MITE, Mangalore and Dr. C S Mala, Professor & HOD, Telecommunication Dept., BMSIT, Bangalore.

Second day started at 9.30AM with paper presentation from research scholars and PG students, 3 papers were presented and the session was chaired by Dr. G. K. Patra, Senior Principal Scientist, CSIR, Bangalore and Dr. G. S. Sunitha, Professor & HOD, BIET, Davangere. Later, second session at 10.30AM was an invited talk from Dr. G. K. Patra on the topic "Block Chain Technology and its applications". The talk was well appreciated by the participants and it began with the fundamentals of block chain technology, followed by the conceptual overview of "Bit Coin", use of Cryptography in Block Chain and rest of the talk was demonstrating various applications of block chain technology like Security in Medical field, e-commerce, IOT, Cloud Computing, Connected Cars - Automotive etc. Second day post tea session was another invited talk from Mr. Veerendra Mittal, Member Senior Research Staff, Central Research Laboratory, BEL, Bangalore on the topic Applications of Multimedia and Image Processing. He gave a brief over view of fundamentals of multimedia processing and its challenges. The highlight of his presentation was video clippings of various real time projects undertaken by BEL which was well appreciated by all the participants. Post lunch session was invited talk from Ms. Pallavi Arora, Senior Director, CISCO, Bangalore in the topic "Overview of Networking and Communications technologies as applied to industry". The prime importance in her presentation were various issues and requirements of advance networking like programmable and intuitive networks, video driving bandwidth, collaborative architecture and IOT

requirements. Also, Network security issues and requirements of automation using Robots were discussed. This session was followed by the last paper presentation session chaired by Dr. S. N. Jagadeesha, Professor & HOD, Dept. of CSE, PESITM, Shivamogga and Dr. B G Nagaraj, Professor & HOD, Dept. of ECE, JCE, Davangere. In this session two papers were presented. Totally 11 authors out of 30 registered authors presented their research papers in four paper presentation sessions.

After the tea break, Valedictory program was arranged. Ms. Pallavi Arora and Sri. S. N. Nagaraja, Secretary, NES were the chief guests. Dr. L. K. Sreepathi, Vice Principal, JNNCE Shivamogga, Dr. P. Manjunatha, HOD, E &C and Dr. M. B. Ushadevi, HOD, TCE, Conveners – MPCIT, Dr. S. V. Sathyanarayana, and Organizing Secretary-MPCIT were present. Dr. H. R. Mahadevaswamy, Principal, JNNCE presided over the program. Best paper Award was given to the paper "ENCRYPTION AND DECRYPTION OF AN IMAGE DATA – A PARALLEL APPROACH" authored by Raghu M E, GEC, Hassan and Dr. K C Ravishankar, GESC, Hassan. Feedback of the participants was taken and most of the participants appreciated the quality and content of invited talks and general arrangements. Certificate of participation was distributed to all the participants who presented their papers and attended the conference.

Several organizations have generously supported the conference financially and professionally and thereby contributed significantly to the publication of the proceedings. Their support was gratefully acknowledged. A list of our sponsors was displayed in the Seminar Hall during the Conference.

A conference kit was provided to all the delegates with a Hard copy of the proceedings and a Book in the area of Electronics & Communication from McGraw Hill Publishers, New Delhi. In total, MPCIT 2018 was a memorable academic activity.

Dr. S.V. Sathyanarayan
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