



**CITY**  
ENGINEERING COLLEGE

**Metric Number: 6.3.2** Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head for the ACY 2019-20



**CITY**  
ENGINEERING COLLEGE

## **6.3.2: LIST OF TEACHERS WITH FINANCIAL SUPPORT**



List of teachers receiving financial support for the ACY 2019-20

Sl. No	Name of the faculty	Sanctioned Amount	Assessment Year	Event Type	Name of conference/ workshop attended for which financial support provided
1	Dr.Sowmya Naik P T	5000	2019	Conference/Journal	IJITEE
2	Ms. Ambika P R	5000	2019	Conference/Journal	International Journal of Innovative Technology and Exploring Engineering (IJITEE)
3	Ms. Sunitha N	5000	2019	Conference/Journal	SN Applied Sciences
4	Ms. Sunitha N	5000	2019	Conference/Journal	International Journal of Advanced Research (IJAR)
5	Dr. Shalini Prasad	5000	2020	Conference/Journal	Test Engineering and Management Journal,
6	Dr. Ravindra S	5000	2020	Conference/Journal	Test Engineering and Management Journal,
7	Dr. Ravindra S	5000	2020	Conference/Journal	International Journal of Innovative Technology and Exploring Engineering (IJITEE)
8	Dr. S Karunakara	5000	2020	Conference/Journal	Elsvier
9	Mr. Vinay Kumar S N	500	2020	Workshop	Indo US Workshop and Training on Hazardous Materials Management (HMM)
10	Mr. Vinay Kumar S N	500	2020	Workshop	Workshop on Technical Writing and Publishing
11	Mr. Vinay Kumar S N	500	2020	Workshop	Workshop on Writing a Competative Grant Research Proposal
12	Ms. Sunitha N	500	2020	Workshop	Workshop on Online National Research Methodology Workshop
13	Mr. Deepak N R	5000	2019	Conference/Journal	International Conference on Computing, Communication and Cyber security (IC4S - 2019)
14	Ms. Nanditha H G	5000	2019	Conference/Journal	International Conference on Computing, Communication and Cyber security (IC4S - 2019)



# CITY

ENGINEERING COLLEGE

Sl. No	Name of the faculty	Sanctioned Amount	Assessment Year	Event Type	Name of conference/ workshop attended for which financial support provided
15	Dr. N Rajasekhar Reddy	5000	2020	Conference/Journal	International Conference on Recent Advances in Chemical, Pharmaceutical and Biological Sciences(RACPABS - 2020)
16	Ms. Sandya N	5000	2019	Conference/Journal	International Conference on Computing, Communication and Cyber security(IC4S - 2019)
17	Ms. Shaylaja K	5000	2019	Conference/Journal	International Conference on Computing, Communication and Cyber security(IC4S - 2019)
18	Ms. Sowbhagya M P	5000	2019	Conference/Journal	International Conference on Computing, Communication and Cyber security(IC4S - 2019)
19	Ms. Sunitha N	5000	2020	Conference/Journal	International Conference on Recent Advances in Chemical, Pharmaceutical and Biological Sciences(RACPABS - 2020)
20	Mr. Vishwakiran R C	5000	2019	Conference/Journal	International Conference on Computing, Communication and Cyber security(IC4S - 2019)

*Ram*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Hanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

**List of Faculties with financial support for the academic year 2019-2020**

Sl. No	Department	Number of Faculties
1	CIVIL	3
2	AS&H	4
3	CSE	6
4	E&C	6
5	MECH	1

*Ramesh*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061

# Laplacian Matrix Based Spectral Graph Clustering

Ambika P. R., Bharathi Malakreddy A.

**Abstract:** Recent attention in the research field of clustering is focused on grouping of clusters based on structure of a graph. At present, there are plentiful literature work has been proposed towards the clustering techniques but it is still an open challenge to find the best technique for clustering. This paper present a comprehensive review of our insights towards emerging clustering methods on graph based spectral clustering. Graph Laplacians have become a core technology for the spectral clustering which works based on the properties of the Laplacian matrix. In our study, we discuss correlation between similarity and Laplacian matrices within a graph and spectral graph theory concepts. Current studies on graph-based clustering methods requires a well defined good quality graph to achieve high clustering accuracy. This paper describes how spectral graph theory has been used in the literature of clustering concepts and how it helps to predict relationships that have not yet been identified in the existing literature. Some application areas on the graph clustering algorithms are discussed. This survey outlines the problems addressed by the existing research works on spectral clustering with its problems, methodologies, data sets and advantages. This paper identifies fundamental issues of graph clustering which provides a better direction for more applications in social network analysis, image segmentation, computer vision and other domains.

**Keywords:** Clustering, Laplacian, spectral graph.

## I. INTRODUCTION

Clustering is one of the important process in Data Mining technology which groups similar data points into same cluster and dissimilar data points into different clusters based on similarity measures or dissimilarity measure. Most used similarity measures are Euclidean distance, cosine similarity, Manhattan distance measure, Jaccard coefficient etc. Clustering techniques identifies underlying structure and discovers meaningful data patterns from the clusters. Clustering has always been an active topic of research in today's Big Data world. In today's real world problems, data are collected in high dimensional space. Detecting clusters in high dimensional structures are a challenging task in the data mining problem. The difficulty that traditional clustering algorithms encounter in dealing with high dimensional data sets motivated the invention of subspace clustering, which

has been studied extensively in recent years. The abundance of Dimensional Reduction (DR) methods invented to solve curse of dimensionality problem of High Dimensional Data (HDD)[5]. The present subspace clustering is more focused on improving clustering performance and not much research has been reported to assist in solving DR problems [6]. Recently, a new approach in clustering called spectral methods has started to get a lot of attention in data mining domain. The spectral methods for clustering works by computing the Eigen vectors of matrix based on the distance between points and then map them to clusters. Spectral Clustering has become quite popular over the last few years and several new algorithms have been published. Spectral graph theory deals with the connectivity structures in a graph by casting a graph to an algebraic structure and by analyzing the spectra of the same. The connectivity and Spectral Graph has been discussed by Mohar[21]. A standard clustering method using spectra of graph has been proposed by Shi & Malik[22]. Graph Laplacians have become a core technology for the computer vision and data analytics. Kannan et al., and Luxburg et al.[20], they have done numerous research contributions in clustering. Belkin 2003; Nadler et al., 2006, proposed works focused on dimensionality reduction using graph based clustering. These extensive literature works has provided several useful insights towards new emerging clustering methods and also discusses several gaps between theoretical concepts and Applications. In recent years, the spectral clustering method has gained attentions because of its better-quality clustering performance.

### 1.1 Background and Motivation

Graph based clustering draws much of the attentions of the research communities in recent days. This is because, graph is a natural way of representation of today's real life problems; especially in network based problems. Graph based clustering algorithms are useful for producing clusters where the problem is modeled by using graphs. Graphs are very useful to represent high dimensional unstructured data. So, graph based clustering for large, high dimensional datasets gaining popularity gradually. In Spectral clustering, using spectral graph theory data points are grouped together based on the similarity and Laplacian matrix concepts. Graph based clustering methods identifies the set of nodes of a known graph and assign them into clusters. The Laplacian matrix based clustering approaches are dominant at present. The spectral/eigenvector domain is a low-dimensional space where the data points are easily separable into different clusters.

Revised Manuscript Received on December 15, 2019.

\* Correspondence Author

Ambika P. R.\*, Assistant Professor, Department of CSE, City Engineering College, Bengaluru, Research Scholar, Department of Computer Science and Engineering, BMS Institute of Technology and Management, Bangalore, Under Visvesvaraya Technological University Belagavi, Karnataka, India. E-mail: ambikatanaji@gmail.com

Dr. Bharathi Malakreddy A., Professor and HOD, Department of Artificial Intelligence and Machine learning, Visvesvaraya Technological University, BMS Institute of Technology and Management, Bangalore, India  
Email: bharathi\_m@bmsit.in

[Home](#) [SN Applied Sciences](#) [Article](#)

# Study of SiC/graphite particulates on the corrosion behavior of Al 6065 MMCs using tafel polarization and impedance

Research Article Published: 13 August 2019

Volume 1, article number 1024, (2019) [Cite this article](#)[Download PDF](#) [SN Applied Sciences](#)[Aims and scope](#)[Submit manuscript](#)[N. Sunitha](#) , [K. G. Manjunatha](#), [Saifulla Khan](#) & [M. Sravanthi](#) 1333 Accesses  5 Citations [Explore all metrics](#) 

## Abstract

Aluminum metal matrix composites (MMC) have better mechanical properties than the alloy because of high strength-to-density ratios. In addition these composites exhibit low co-efficient of thermal expansion, high corrosion resistance. Al 6065 is the base metal selected for corrosion studies. Al 6065 MMCs are prepared by stir casting method. MMCs are prepared with reinforcement of particulates such as SiC and graphite. Composites are prepared by adding 2, 4 wt % of SiC particulates and hybrid composite with equal amount of



Journal Homepage: - [www.journalijar.com](http://www.journalijar.com)  
**INTERNATIONAL JOURNAL OF  
 ADVANCED RESEARCH (IJAR)**

Article DOI: 10.21474/IJAR01/9728  
 DOI URL: <http://dx.doi.org/10.21474/IJAR01/9728>



### RESEARCH ARTICLE

#### TAFEL POLARIZATION AND IMPEDANCE STUDIES OF AL-7075 ALLOY AND ITS COMPOSITES IN DIFFERENT MEDIUM.

Sravanthi M<sup>1</sup>, Dr.K.G.Manjunatha<sup>2</sup>, Dr.Saifulla Khan<sup>3</sup> and Sunitha N<sup>4</sup>

1. Assistant professor, Department of Chemistry, AMC Engineering College, Bannerghatta Main Road, Bangalore, Karnataka-560083, India.
2. Prof. and HOD R&D Centre, Department of Engineering Chemistry, Ghousia College of Engineering, Ramanagaram, Bangalore, Karnataka-56215, India.
3. Assistant professor, Department of Chemistry, Ghousia college of Engineering, B.M Road, Ramanagaram – Bangalore, Karnataka-562159, India.
4. Assistant Professor, Department of Chemistry, City Engineering College, Kanakapura Road, Bangalore, Karnataka-560083, India.

#### Manuscript Info

##### Manuscript History

Received: 09 July 2019

Final Accepted: 12 August 2019

Published: September 2019

##### Key words:-

Al7075, OCP, Tafel polarization, EIS and SEM.

#### Abstract

Aluminum metal matrix composites because of their high potential in satisfying the recent demands have a wide variety of applications in aviation, defense system, and automobile industries. It has been noticed in research that the properties of composites can be enhanced by the addition of ceramic particles like SiC and graphite to metal matrix composites. This paper attempts on corrosion studies of Al 7075 base alloy/SiC/graphite based composites in different inorganic acid mediums (0.1M HCl, 0.1M H<sub>2</sub>SO<sub>4</sub> medium) and neutral chloride medium (3.5% NaCl medium) by making use of Tafel Polarization Technique and Electrochemical Impedance Spectroscopy Technique. Test samples were casted by taking the various percent of SiC/graphite by stir casting method as per ASTM standards. Electrochemical studies tell us about the polarization resistance and the diameter of the capacitive loops above the real axis of base alloy and composites increases in neutral chloride medium compared to different inorganic acid mediums thus it confirms that the corrosion rate in neutral chloride medium is less compared to inorganic acid mediums. Composites exhibit more resistance towards corrosion compared to Al7075 base alloy was confirmed from Ecorr and Icorr values and it was also confirmed hybrid composites are more resistant to corrosion in all the mediums. Results from Electrochemical Impedance Spectroscopy Technique and Tafel Polarization Technique were in concurrence with each other. SEM images confirm the distribution of reinforcement particulates in the metal matrix and let out the rate of degradation of alloy and composites in different mediums.

Copy Right, IJAR, 2019. All rights reserved.

**Corresponding Author:- Sravanthi.M.**

Address:-Assistant professor, Department of Chemistry, AMC Engineering College, Bannerghatta Main Road, Bangalore, Karnataka 560083 India.



# Energy Optimization Mechanism to Improve Energy Efficiency of Mobile Device Interface for Mobile System

Shalini Prasad<sup>1</sup>, Shalish B S<sup>2</sup><sup>1</sup>Professor, Department of Electronics and Communication Engineering, City Engineering College, Bangalore 560061<sup>2</sup>NividTech Online Services, Bangalore 560095shaliniprasad5@gmail.com<sup>1</sup>, shailesh.bejwadi@gmail.com<sup>2</sup>**Article Info**

Volume 83

Page Number: 8250 - 8257

Publication Issue:

March - April 2020

**Abstract**

Wireless communication and networking technologies use higher speed network interface devices. These wireless network devices are the power hungry component of the cellular device. The results of power consumption leads to high operating cost and a greater failure rate of the device. This has become a major cause of concern which has imposed challenges towards the development of greater performance system. The key concept to decrease power consumption is to disable all the sub-antennas and their RF chains. The technology employed by wireless communication devices to improve the capacity, is to use Multiple-Input

Multiple-Output (MIMO) scheme. This paper, initially discusses the basic mechanism of power management. Then, we introduce a novel scheme that effectively resolves the issue of reducing energy per bit. We utilize Matlab tool to assess the energy efficiency of receiving antennae. The outcome shows that antenna management can successfully diminish energy per bit to equate with a static MOBILE DEVICE design that keeps all antenna apparatus active.

**Keywords:** Energy dissipation, Wireless Local Area Network (WLAN), mathematical model, Fourth Generation (4G) network

**Article History**

Article Received: 24 July 2019

Revised: 12 September 2019

Accepted: 15 February 2020

Publication: 09 April 2020

## I. INTRODUCTION

The easy availability of inexpensive mobile devices with features to process multimedia signal, accomplished with ubiquitous higher-speed networking technologies to process multimedia contents has increased the demand to stream multimedia signals in mobile. In the coming times Mobile equipment's can be considered as the main cause for evolution of wireless broadband, because of to their ability to enhance the channel capacity [1] [2]. The increment in the quantity of mobile users has prompted an increment in data traffic; thus, the quantity of base stations (BSs) has expanded to address the issues of mobile users. Reference [3] defines the development in the number of BSs in

developing districts somewhere around 2007 and 2012, and predicated that the aggregate number of BSs would increment by more than 2 million inside of this period. The majority of the past studies on this subject have concentrated on enhancing both system channel capacity as well as data rates, while ignoring the growing demand of mobile network systems for energy. This expanding energy demand has encouraged significant investigation on the subject of "green communication".

Antenna diversity apparatus is utilized as a part of wireless communication frameworks to battle the impacts of fading. In the event that various autonomous duplicates of the same signals are available, we can add them to an aggregate signal

# A Survey on Security and Authentication Issues and Future Trends in Next Generation Networks

<sup>1</sup>Ravindra .S B.E. M.Tech, <sup>2</sup>Dr.Shankaralah B.E. M.Tech Ph.D (IISc)

<sup>1</sup>Senior Assistant Professor, Department of ECE, City Engineering College, Bangalore  
ravindraa.s@gmail.com

<sup>2</sup>Professor and Head, Department of ECE, JSS Science & Technology University, Mysore  
shankarsjce@gmail.com

## Article Info

Volume 83

Page Number: 35 - 44

Publication Issue:

May - June 2020

## Article History

Article Received: 11 August 2019

Revised: 18 November 2019

Accepted: 23 January 2020

Publication: 07 May 2020

## Abstract:

With an increasing number of mobile devices, large amounts of data and higher data rates, the current generation of the mobile network is being reconsidered. The next generation networks (NGN) are expected to fulfill high-end requirements, with three features: pervasive connectivity, extreme low latency, and high-speed data transmission across broad areas. This article presents an extensive analysis of current 4 G and next generation network authentication and security systems. We first offer an overview of existing 4 G and next-generation network surveys. We then describe multiple threats in 4 G networks and next-generation networks, including privacy attacks, integrity attacks, availability attacks and authentication attacks. We also provide security services, including authentication (authentication entity, message authentication), confidentiality and integrity. We are also providing authentication and security solutions for networks of next generation. By knowing the drawbacks to IKEV1, as well as the future direction, we identify challenges in new generation networks by supporting IKEV2 re-authentication and re-using new hash signature algorithms.

**Keywords:** NGN, Security, Authentication, Availability, Confidentiality, Key Management, Privacy, IPsec, IKEV1, IKEV2.

## I. INTRODUCTION

With the increasing threats from the Internet and computer networks and the relative rate of safety needed, addressing security issues and creating an application security model for next-generation networks is important. Based on these three features, the next-generation network services are 1. Awareness of Service 2. Richness Product 3. Flexibility of service. Application potential for these services is high through the convergence of such services into a broadband infrastructure [1].

The vision of the next 5 G wireless communication networks consists in providing extremely high data rates, low latency, increased base station capacity, and significant enhancement in service quality (QoS)

recognized by users compared to current 4 G LTE networks[2].

High-end requirements are to be met for the next or 5th generation (5 G) mobile networks. Three unique features characterize the 5 G networks: ubiquitous connectivity, extremely low latency and high-speed transfer of information. In addition to state-of-the-art infrastructure, the 5 G networks will provide new architectures and technologies [3].

Figure 1 demonstrates the common architecture of 5 G wireless networks. 5 G Wireless systems not only offer traditional voice and data communication, but also support new applications in the industry and many other devices. Wireless systems are also available. [4].

The combination of different wireless technologies

# Security and Authentication Scheme for Software Defined Network



Ravindra, S.Shankaraiah

**Abstract:** Software-Defined Network (SDN) is regarded as one of the most significant areas for future networking. SDN architecture is a revolutionary new concept that offers more mobility, a high degree of automation and shorter delivery time by pushing the conventional network to be software-based. SDN architecture dynamically separates the control plane from the network data (forwarding) plane, providing a centralized view of the network as a whole and making it easier to manage and monitor the resources of the network. Furthermore, the SDN's initial design, with its centralized control point, does not accurately perceive the security requirements, which poses additional challenges to security issues. Security and authentication scheme in SDN is being surveyed in this paper providing advances in this field to both the research community and the industry. Then start with a list of identified threats to security and SDN breaches. The article analyzes previously outlined security and authentication solutions for SDN. The challenges in securing the network from the attacker are discussed and the holistic security approach required for SDN is described. It will identify future directions for research that will be key to providing network security in SDN.

**Keywords:** Software-Defined Network, Security, Authentication, Authorization, Network Functions Virtualization.

## I. INTRODUCTION

In contrast to network functionality, recent developments in wireless communication address users' needs in data rate, accessibility support, bandwidth expansion, delays, and much more. The fifth-generation (5G) network would, in the future or the near future, be promising to meet these user requirements. Security has recently become a public good to integrate into each network, including mobile, digital, 5G and Long Term Evolution (LTE) networks. Security is also a must for all networks.

SDN / NFV is incorporated into 5G infrastructure to serve as a cross-backhaul while cloud computing is integrated to enable the storage of data. Since each model has suffered from some security issues, implementing these three different technologies into the 5G network brings with it a giant threat to security.

Revised Manuscript Received on February 25, 2020.

\* Correspondence Author

Ravindra.S\*, Senior Assistant Professor, Electronics and Communication Engineering, City Engineering College, Bangalore, INDIA. Email: ravindra.s@gmail.com

Dr. Shankaraiah, Professor and Head, Electronics and Communication Engineering, JSS Science and Technology University (Formerly SJCE), Mysore, INDIA. Email: shankarsjce@gmail.com

© The Authors. Published by Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP). This is an open access article under the CC-BY-NC-ND license <http://creativecommons.org/licenses/by-nc-nd/4.0/>

Distributed Denial of Service (DDoS) attack, hijacking attack, IP spoofing attack, flow table overload attack, aircraft command saturation attack, are some attacks that are carried on 5G networks. Here, as it is involved in all three systems, DDoS attack is considered more disruptive.

Any of these technologies or any combination of these technologies will also be impacted by other attacks. The modern era in human history is identified by the ubiquity of information, often called the Information Age. Since it emerged in the 1960s, the prevalence of the Internet has brought a revolution in economy, social development, communication, and entertainment by almost 40 percent of the population worldwide.

The data revolution has led to a recognition of how the conventional IP-based networks are inflexible and difficult to manage, given their prevalence. In short, this is the motivation for Network Functions Virtualization (NFV) and SDN. Although closely related and often coexisting, NFV and SDN are distinct approaches to imposing meanness to the infrastructure which defines the digital age's bedrock. SDN provides the ability to detach data planes from control planes that cannot be conceived in conventional networks.

Data plane and control plane decoupling enables control of forwarding hardware in a network as opened and controlled by both the user. OpenFlow is the standard SDN protocol, with OpenFlow switches, controller and flow entries in the architecture. Software-Defined Networking (SDN) provides a new centralized network control and management structure; an SDN controller monitors and manages all network elements and globally and seamlessly enforces the management and supervision functions. [2]

The rest of the paper is sorted as follows: Section II presents System Architecture of Typical Software-Defined Networks; Section III presents SDN Security Overview; Section IV describes details of SDN Security Analysis; Section V presents SDN Authentication Systems Overview; Section VI explains SDN Authentication Analysis; and finally, Section VII presents the ends and future directions.

## II. SOFTWARE-DEFINED NETWORKS

The Software-Defined Networks (SDN) approach is based on the premise that splitting network function control from the network devices themselves (switches, routers, firewalls, etc.) will overcome many drawbacks associated with the vertically integrated, closed, and proprietary networking infrastructure of today. The implementation of software-based virtualization systems and the convergence of voice, video and information communication to IP networks increased the need for such a change in networking standards.



# Impact of Particle Size Distribution for Variable Mixing Time on Mechanical Properties and Microstructural Evaluation of Al-Cu/B<sub>4</sub>C Composite

G.N. Lokesh<sup>a</sup>  , S. Karunakara<sup>b</sup>

Show more 

 Share  Cite

<https://doi.org/10.1016/j.matpr.2020.02.190> 

[Get rights and content](#) 

## Abstract

In the present work the combined effects of particle size and distribution on the mechanical properties of the 20vol.% B<sub>4</sub>C particle reinforced Al-Cu alloy composites by powder metallurgy is investigated. The aim of this work was to evaluate the effect of mixing time (5h, 15h and 25h) and particle size (23µm and 67µm) of B<sub>4</sub>C particles on the metallurgical and mechanical properties. It has been found that small ratio between matrix/reinforcement particles sizes resulted in more uniform distribution in the matrix. The particles distributed more uniformly in the matrix with increasing in mixing time. The results also showed that homogenous distribution of the B<sub>4</sub>C particles resulted in higher hardness, ultimate tensile strength, yield strength and elongation. Fracture surface observations showed that the dominant fracture mechanism of the composites with small B<sub>4</sub>C particle size (23µm) is ductile fracture of the matrix, accompanied by the "pull-out" of the particles from the matrix, which is attributed to positive effect of reinforcement particles in resistance to the movement of dislocations while the dominant fracture mechanism of the composites with large B<sub>4</sub>C particle size (67µm) is ductile fracture of the matrix, accompanied by the B<sub>4</sub>C particle fracture

[Special issue articles](#)

[Recommended articles](#)

## Reference (27)

V. Auradi et al.

Processing of B<sub>4</sub>C particulate reinforced 6061 Aluminum Matrix Composites by melt stirring involving two-step addition. *Procedia*



**AMC ENGINEERING COLLEGE**  
**DEPARTMENT OF CIVIL ENGINEERING**





**CERTIFICATE OF PARTICIPATION**

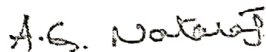
This is to certify that Mr/Ms VINAY KUMAR, S.N  
from CITY ENGINEERING COLLEGE  
has participated in the 'INDO-US Workshop and Training Course  
on Hazardous Materials Management (HMM)'  
during 10-12, February 2020 at AMC Engineering College, Bengaluru - 560083.


Organized by:

Department of Civil Engineering, AMCEC  
Academy of Certified Hazardous Materials Managers (ACHMM - INDIA)

  
Dr. Shashishankar A.  
Professor & Head  
Dept of Civil Engg, AMCEC

  
Dr. Rampur Viswanath  
Ph.D., REM, CHMM (Team Lead)  
President, Environmental Consulting  
LLC, Las Vegas, Nevada

  
Dr. A.G. Nataraj  
Principal  
AMCEC

  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura M



**B.M.S. COLLEGE OF ENGINEERING**

**BMSCE R&D CENTER & DEPARTMENT OF MEDICAL ELECTRONICS**

**CERTIFICATE OF PARTICIPATION**

THIS IS TO CERTIFY THAT

**VINAYKUMAR S N**

has successfully completed Online Workshop on  
**TECHNICAL WRITING & PUBLISHING** on 7 April, 2020.

**DR. ABHISHEK APPAJI**  
INSTITUTIONAL COORDINATOR  
FOR R&D

**DR. K VIJAYALAKSHMI**  
PROF & HEAD  
DEPT OF MEDICAL ELECTRONICS

**DR. B. V. RAVISHANKAR**  
PRINCIPAL  
BMSCE

PRINCIPAL  
**CITY ENGINEERING COLLEGE**  
Kanakapura Main Road, BANGALORE - 560 064



**IEEE SIGHT**

Special Interest Group on  
Humanitarian Technology

# CERTIFICATE OF PARTICIPATION

This is to certify that

**Vinaykumar S N**


has actively participated in Online workshop on  
**Writing a Competitive Grant Research Proposal**  
held on Monday, 20th April 2020

  
Mr. Puneet Kumar Mishra

Chair  
IEEE Bangalore Section

  
Dr. Abhishek Appaji

Joint Treasurer and SIGHT Chair IEEE  
Bangalore Section

  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 051

SHRI JAGDISHPRASAD JHABARMAL TIBREWALA UNIVERSITY,  
JHUNJHUNU, RAJASTHAN



## CERTIFICATE OF PARTICIPATION

This is to certify that  
**Prof. Sunitha N**

has attended the sessions for

**Online National Research Methodology Workshop**

01 May 2020 to 08 May 2020

Dr. Madhu Gupta  
Registrar

Dr. Anju Singh  
National Co-Ordinator



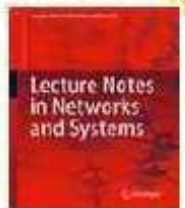
# International Conference on Computing, Communication and Cyber-Security

(IC4S-2019)

12-13th October, 2019  
Chandigarh, India



Springer



LNSS, Springer Series

Mr./ Dr./ Professor Deepak N R

For presentation of paper title Cyber Resilience: Strategies for a Secure Future



at International Conference on Computing, Communication and Cyber-Security (IC4S-2019), 12-13<sup>th</sup> October, 2019  
Chandigarh, India

*Zdzislaw Polkowski*

Organising Secretary, Dr. Zdzislaw Polkowski

*Neeraj Kumar*

Principal General Chair, Prof. (Dr.) Neeraj Kumar

## Academic Associates



KEC Ghaziabad

Institute of Technology & Science  
Mohan Nagar Ghaziabad

ITS Mohan Nagar

## Technically Supported By



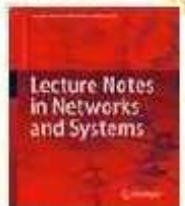
# International Conference on Computing, Communication and Cyber-Security

(IC4S-2019)

12-13th October, 2019  
Chandigarh, India



Springer



LNSS, Springer Series

Mr./ Dr./ Professor Nanditha H G

For presentation of paper title Building a Cyber-Secure Organization Best Practices and Frameworks



at International Conference on Computing, Communication and Cyber-Security (IC4S-2019), 12-13<sup>th</sup> October, 2019  
Chandigarh, India

Organising Secretary, Dr. Zdzislaw Polkowski

Principal General Chair, Prof. (Dr.) Neeraj Kumar

## Academic Associates



KEC Ghaziabad

Institute of Technology & Science  
Mohan Nagar Ghaziabad

ITS Mohan Nagar

## Technically Supported By





1<sup>st</sup> International Conference  
on  
Recent Advances in Chemical, Pharmaceutical and Biological Sciences  
(RACPABS - 2020)



5<sup>th</sup> to 7<sup>th</sup> March, 2020

Organized by:

Department of Chemistry, Acharya Nagarjuna University  
Nagarjuna Nagar - 522 510, Guntur District, Andhra Pradesh, India

**CERTIFICATE**

This is to certify that Prof. / Dr. / Mr. / Mrs. Dr. N Rajasekhar Reddy

Department of Chemistry

has Delivered an Invited Talk / Chaired a Session / Presented a Paper / Participated in the Recent Advances in  
Chemical, Pharmaceutical & Biological Sciences (RACPABS - 2020) entitled 'Green Chemistry Solutions for a  
Healthier Planet

(Prof. P. Raja Sekhar)  
Vice-Chancellor (FAC)

(Dr. B. Hari Babu)  
Additional Director

(Dr. D. Ramachandran)  
Director

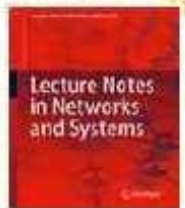
# International Conference on Computing, Communication and Cyber-Security

(IC4S-2019)

12-13th October, 2019  
Chandigarh, India



Springer



LNSS, Springer Series

Mr./ Dr./ Professor Sandya N

For presentation of paper title Scene Classification using Deep Learning

at International Conference on Computing, Communication and Cyber-Security (IC4S-2019), 12-13<sup>th</sup> October, 2019  
Chandigarh, India

Organising Secretary, Dr. Zdzislaw Polkowski

Principal General Chair, Prof. (Dr.) Neeraj Kumar

## Academic Associates



KEC Ghaziabad

Institute of Technology & Science  
Mohan Nagar Ghaziabad

ITS Mohan Nagar

## Technically Supported By



—Southern Federal University—



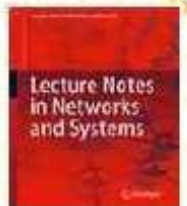
# International Conference on Computing, Communication and Cyber-Security

(IC4S-2019)

12-13th October, 2019  
Chandigarh, India



Springer



LNSS, Springer Series

Mr./ Dr./ Professor Shylaja K

For presentation of paper title Data Privacy and Security - Balancing Innovation and Protection



at International Conference on Computing, Communication and Cyber-Security (IC4S-2019), 12-13<sup>th</sup> October, 2019  
Chandigarh, India

*Zdzislaw Polkowski*

Organising Secretary, Dr. Zdzislaw Polkowski

*Neeraj Kumar*

Principal General Chair, Prof. (Dr.) Neeraj Kumar

## Academic Associates



KEC Ghaziabad

Institute of Technology & Science  
Mohan Nagar Ghaziabad

ITS Mohan Nagar

## Technically Supported By



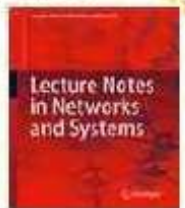
# International Conference on Computing, Communication and Cyber-Security

(IC4S-2019)

12-13th October, 2019  
Chandigarh, India



Springer



LNSS, Springer Series

Mr./ Dr./ Professor Sowbhagya M P

For presentation of paper title Incident Response of Lessons Learned from Real-World Attacks



at International Conference on Computing, Communication and Cyber-Security (IC4S-2019), 12-13<sup>th</sup> October, 2019  
Chandigarh, India

Organising Secretary, Dr. Zdzislaw Polkowski

Principal General Chair, Prof. (Dr.) Neeraj Kumar

## Academic Associates



KEC Ghaziabad

Institute of Technology & Science  
Mohan Nagar Ghaziabad

ITS Mohan Nagar

## Technically Supported By





1<sup>st</sup> International Conference  
on  
Recent Advances in Chemical, Pharmaceutical and Biological Sciences  
(RACPABS - 2020)



5<sup>th</sup> to 7<sup>th</sup> March, 2020

Organized by:

Department of Chemistry, Acharya Nagarjuna University  
Nagarjuna Nagar - 522 510, Guntur District, Andhra Pradesh, India

**CERTIFICATE**

This is to certify that Prof. / Dr. / Mr. / Mrs. Sunitha N

Department of Chemistry

has Delivered an Invited Talk / Chaired a Session / Presented a Paper / Participated in the Recent Advances in  
Chemical, Pharmaceutical & Biological Sciences (RACPABS - 2020) entitled 'Chemical Education Inspiring the Next  
Generation of Scientist

(Prof. P. Raja Sekhar)  
Vice-Chancellor (FAC)

(Dr. B. Hari Babu)  
Additional Director

(Dr. D. Ramachandran)  
Director

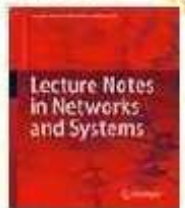
# International Conference on Computing, Communication and Cyber-Security

(IC4S-2019)

12-13th October, 2019  
Chandigarh, India



Springer



LNSS, Springer Series

Mr./ Dr./ Professor Vishvakiran R. C

For presentation of paper title Cyber Security 2.0: Evolving Threats and Adaptive Solutions



at International Conference on Computing, Communication and Cyber-Security (IC4S-2019), 12-13<sup>th</sup> October, 2019  
Chandigarh, India

Organising Secretary, Dr. Zdzislaw Polkowski

Principal General Chair, Prof. (Dr.) Neeraj Kumar

## Academic Associates



KEC Ghaziabad

Institute of Technology & Science  
Mohan Nagar Ghaziabad

ITS Mohan Nagar

## Technically Supported By







**CITY**  
ENGINEERING COLLEGE

## **6.3.2: SUPPORTING DOCUMENTS**



**CITY**  
ENGINEERING COLLEGE

**Department of Computer Science and Engineering**

Date: 28/8/2019

From,

Ms. Sowmya  
Dept. of CSE  
C.E.C., Bangalore

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,

HOD,  
Dept. of CSE

Dear Sir,

Subject: Journal Publication

As I wish to publish a paper in the "International Journal of Innovative Technology and Exploring Engineering (IJITEE)". I request you to grant permission and provide financial support to me.

Thanking You

Seal and Signature of HOD

HOD

Dept of Computer Science & Engineering  
CITY ENGINEERING COLLEGE  
Doddakallasandra, Doddakaputa Road  
Bangalore-560062

Your's Sincerely



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

DEBIT VOUCHER

Date : 2/9/2019

Voucher No. 01

Debit Head Faculty Development

Paid to M/s. / Smt. Sri Sowmya

Rupees (in words) Five thousand rupees only.

Towards Journal Publication - International Journal of Innovative Technology and Exploring Engineering.

By Cash / Cheque No. 5000/- Dated 2/9/2019 Bank \_\_\_\_\_

Rs. 5000/-

TDS

[Signature]  
Prepared by

[Signature]  
Checked by  
**10/11/19**

[Signature]  
Sanctioned by  
PRINCIPAL

[Signature]  
Receiver's Signature  
Mob No.

**CITY ENGINEERING COLLEGE**  
Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

**Department of Computer Science and Engineering**

Date: 28/8/2019

From,

Ms. Ambika P.R  
Dept. of CSE  
CEC, Bangalore

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,  
HOD,  
Dept. of CSE

Dear Sir,

Subject: Journal Publication

As I wish to publish a paper in the "International Journal of Innovative Technology and Exploring Engineering (IJITEE)". I request you to grant permission and provide financial support to me.

Thanking You

Seal and Signature of HOD.

Your's Sincerely

HOD  
Dept of Computer Science & Engineering  
CITY ENGINEERING COLLEGE  
Doddakallasandra, Doddakallasandra Road  
Bangalore - 560062



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

Voucher No. 02

DEBIT VOUCHER

Date : 3/9/2019

Debit Head Faculty Development

Paid to M/s. / Smt. Sri Ambika P.R.

Rupees (in words) Five thousand rupees only

Towards Journal Publication - IIT ITEE

By Cash / Cheque No. 5000/- Dated 3/9/2019 Bank

Rs. 5000/-

TDS

Prepared by

Checked by

Sanctioned by

PRINCIPAL

Receiver's Signature

Mob No.

CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

**Department of Applied Science and Humanities**

Date: 28/8/2019

**From,**

Ms. Sunitha N.  
Dept of AS & H  
CEC, Bangalore

**To,**

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

**Through,**

HOD,  
Dept. of AS&H

Dear Sir,

Subject: Journal Publication

As I wish to publish a paper in the "SN Applied Sciences" Journal. I request you to grant permission and provide financial support to me.

Thanking You

Your's Sincerely

Seal and Signature of HOD

HOD Department of Mathematics  
City Engineering College  
Doddakallasandra, Bangalore



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

DEBIT VOUCHER

Date : 3/9/2019

Voucher No. 03

Debit Head

Faculty Development

Paid to M/s. / Smt. Sri

Sunitha.N.

Rupees (in words)

Five thousand Rupees only.

Towards

Journal Publication - SN Applied Science

By Cash / Cheque No.

5000/-

Dated

3/9/2019

Bank

Rs. 5000/-

TDS

Prepared by

Checked by

  
**AO**

Sanctioned by

PRINCIPAL

Receiver's Signature

Mob No.

**CITY ENGINEERING COLLEGE**  
Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

**Department of Applied Science and Humanities**

Date: 29/8/2019

From,

Ms. Sumitha N  
Dept. of AS&H  
CEC, Bangalore

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,

HOD,  
Dept. of AS&H

Dear Sir,

Subject: Journal Publication

As I wish to publish a paper in the "International Journal of Advanced Research (IJAR)" Journal. I request you to grant permission and provide financial support to me.

Thanking You

Your's Sincerely

Seal and Signature of HOD

HOD Department of Mathematics  
City Engineering College  
Doddakallasandra, Bangalore - 560062





# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Voucher No. 04

Date : 3/9/2019

Debit Head Faculty Development

Paid to M/s. / Smt. Sfi Sunitha . N .

Rupees (in words) Five Thousand rupees only .

Towards Journal Publication - IJAP

By Cash / Cheque No. 50001- Dated 3/9/2019 Bank \_\_\_\_\_

Rs. 5000/-

TDS

Prepared by [Signature]

Checked by [Signature]  
**AO**

Sanctioned by [Signature]  
PRINCIPAL

Receiver's Signature Sunitha  
Mob No.

**CITY ENGINEERING COLLEGE**

Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

**Department of Electronics and Communication and Engineering**

Date: 29/8/2019

From,

Dr. Shalini Prasad  
Dept of ECE  
CEC, Bangalore

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,

HOD,  
Dept. of ECE

Dear Sir,

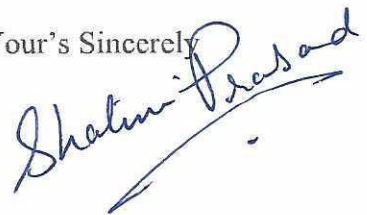
Subject: Journal Publication

As I wish to publish a paper in the "Test Engineering and Management Journal," I request you to grant permission and provide financial support to me.

Thanking You

  
Seal and Signature of HOD

Your's Sincerely



Professor & Head  
Dept. of Electronics &  
Communication Engineering  
City Engineering College,  
Doddakallasandra, Kanakapura Main Road  
Bangalore-560 062.



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Voucher No. 05

Date : 2/9/2019

Debit Head Faculty Development

Paid to M/s. / Smt. Sri Shalini Prasad

Rupees (in words) Five thousand rupees only

Towards Journal Publication - Test Engg and Mgmt Journal

By Cash / Cheque No. 5000/- Dated 2/9/2019 Bank

Rs. 5000/-

TDS

Prepared by

Checked by  
AO

Sanctioned by  
PRINCIPAL

Receiver's Signature  
Mob No.

CITY ENGINEERING COLLEGE

Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

**Department of Electronics and Communication and Engineering**

Date: 16/8/2019

From,

Dr. Ravindra S  
Dept of ECE  
CEC, Bangalore

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,

HOD,  
Dept. of ECE

Dear Sir,

Subject: Journal Publication

As I wish to publish a paper in the "Test Engineering and Management Journal," I request you to grant permission and provide financial support to me.

Thanking You

Your's Sincerely

*R. S. Malhotra*  
Seal and Signature of HOD

*Ravindra S.D.*

Professor & Head  
Dept. of Electronics &  
Communication Engineering  
City Engineering College,  
Doddakallasandra, Kamkapura Main Road  
Bangalore-560 061.



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Date : 13/8/2019

Voucher No. 06

Debit Head Faculty Development

Paid to M/s. / Smt. Sri Ravindra S.

Rupees (in words) Five thousand rupees only

Towards Journal Publication - Test Engg and Mgmt Journal

By Cash / Cheque No. 5000/- Dated 13/8/2019 Bank \_\_\_\_\_

Rs. 5000/-

TDS

Prepared by [Signature]

Checked by [Signature]  
ASSTANT  
AO

[Signature]

[Signature]

Receiver's Signature  
Mob No.

Sanctioned by  
PRINCIPAL

**CITY ENGINEERING COLLEGE**

Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

**Department of Electronics and Communication and Engineering**

Date: 2/8/2019

**From,**

Dr. Ravindra S  
Dept of ECE  
CEC, Bangalore

**To,**

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

**Through,**

HOD,  
Dept. of ECE

Dear Sir,

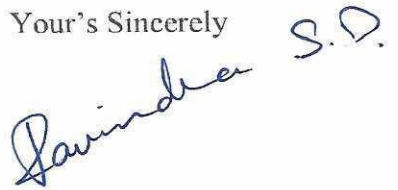
Subject: Journal Publication

As I wish to publish a paper in the "International Journal of Innovative Technology and Exploring Engineering (IJITEE)". I request you to grant permission and provide financial support to me.

Thanking You

Your's Sincerely

  
Seal and Signature of HOD



Professor & Head  
Dept. of Electronics &  
Communication Engineering  
City Engineering College,  
Doddakallasandra, Kamakapura Main Road  
Bangalore-560 061.



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Voucher No. 07

Date : 12/8/2019

Debit Head Faculty Development

Paid to M/s. / Smt. Sri Ravindra S.

Rupees (in words) Five thousand rupees only

Towards Journal Publication - IJITEE

By Cash / Cheque No. 5000/- Dated 12/8/2019 Bank \_\_\_\_\_

Rs. 5000/-

TDS

[Signature]  
Prepared by

[Signature]  
Checked by  
10

[Signature]  
Sanctioned by  
PRINCIPAL

[Signature]  
Receiver's Signature  
Mob No.

CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

Department of Mechanical Engineering

Date: 21/8/2019

From,

Dr. Kanumkara  
Dept of ME  
CEC, Bangalore.

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,

HOD,  
Dept. of ME

Dear Sir,

Subject: Journal Publication

As I wish to publish a paper in the "Elsevier". I request you to grant permission and provide financial support to me.

Thanking You

S. Kanumkara

Seal and Signature of HOD

Your's Sincerely

Kanumkara





# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

DEBIT VOUCHER

Date : 7/8/2019

Voucher No. 08

Debit Head

Faculty development

Paid to M/s. / Smt. Sri

Kannakara . S

Rupees (in words)

Five thousand rupees only

Towards

Journal Publication - Elsevier

By Cash / Cheque No. 5000/-

Dated

7/8/2019

Bank

Rs. 5000/-

TDS

Prepared by

[Signature]  
Checked by  
AO

Sanctioned by

[Signature]  
CITY ENGINEERING COLLEGE

Receiver's Signature

Mob No.

Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

**Department of Civil Engineering**

Date: 3/02/2020

From,

Vinay Kumar S.N.  
Dept. of C.V.  
C.E.C., Bangalore

To,

The principal,  
City Engineering College,  
Doddakallasandra,  
Bangalore-560062

Through,

HOD,  
Dept. of CV

Dear Sir,

**Subject:** To participate in the workshop

As I wish to participate in the workshop on "Indo US Workshop and Training on Hazardous Materials Management (HMM), being organized on 10<sup>th</sup> and 12<sup>th</sup> February 2022, at AMC Engineering College, Bangalore.

I request you to grant permission and provide financial support to me.

Thanking You

  
Seal and Signature of HOD

Your's Sincerely



HOD, CIVIL ENGG DEPT.  
CITY ENGINEERING COLLEGE  
Doddakallasandra  
BANGALORE - 560062

[Reimburse]



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Date : ..13/11/2021

Voucher No. 14

Debit Head Faculty development

Paid to M/s. / Smt. Sri Smittha N

Rupees (in words) five hundred rupees only

Towards workshop on online National Research methodology workshop

By Cash / ~~Cheque No.~~ 500/- Dated 13/11/2021 Bank \_\_\_\_\_

Rs. 500/-

Prepared by

Checked by

**RS. HANDE  
AO**

TDS

PRINCIPAL  
CITY ENGINEERING COLLEGE  
Sanctioned by  
Kanakapura Main Road, BANGALORE - 560 061

Smittha N.  
Receiver's Signature  
Mob No.



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

DEBIT VOUCHER

Date : 6/02/2020

Voucher No. 9

Debit Head Faculty Development

Paid to M/s. / Smt. Sri Vinay Kumar S N

Rupees (in words) five hundred rupees only

Towards workshop - indus workshop and Training on Hazardous Materials Management (HMM)

By Cash / Cheque No. 500/- Dated 6/2/2020 Bank

Rs. 500/-

TDS

Prepared by

Checked by K. HANDE AO  
Sanctioned by PRINCIPAL CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061

Receiver's Signature Vinay Kumar  
Mob No.



**CITY**  
ENGINEERING COLLEGE

**Department of Civil Engineering**

Date: 5/11/2021

From,

Vinay Kumar S.N  
Dept. of CV  
C.E.C., Bangalore

To,

The principal,  
City Engineering College,  
Doddakallasandra, Bangalore - 560062

Through,

HOD,  
Dept. of CV

Dear Sir,

**Subject:** Participated in the workshop

I have participated in online workshop on "Technical Writing & Publishing" on 7<sup>th</sup> April 2020, at BMS College of Engineering, Bangalore.

I request you to provide financial assistance which was paid by me for the same.

Thanking You

Seal and Signature of HOD

Your's Sincerely

HOD, CIVIL ENGG DEPT.  
CITY ENGINEERING COLLEGE  
Doddakallasandra  
BANGALORE - 560062

[Reimburse]



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Date : 10/11/2021

Voucher No. 10

Debit Head faculty development

Paid to M/s. / Smt. Sri Vinay Kumar S.V.

Rupees (in words) five hundred rupees only

Towards workshop on Technical writing & Publishing

By Cash / ~~Cheque No.~~ 500/- Dated 10/11/2021 Bank \_\_\_\_\_

Rs. 500/-

TDS [Signature]

[Signature]  
Prepared by

[Signature]  
Checked by  
**K.S. HANDE**  
AO

PRINCIPAL  
CITY ENGINEERING COLLEGE  
Sanctioned by  
Kanakapura Main Road, BANGALORE - 560 061

[Signature]  
Receiver's Signature  
Mob No.



**CITY**  
ENGINEERING COLLEGE

**Department of Civil Engineering**

Date: 17/11/2021

From,  
Vinay Kumar S.N  
Dept. of CV  
C.E.C., Bangalore

To,  
The principal,  
City Engineering College,  
Doddakallasandra,  
Bangalore - 560062

Through,  
HOD,  
Dept. of CV

Dear Sir,

**Subject:** Participated in the workshop

I have participated in online workshop on "Writing a Competitive Grant Research Proposal" organized on 20<sup>th</sup> April 2020.

I request you to provide financial assistance which was paid by me for the same.

Thanking You

Seal and Signature of HOD

Your's Sincerely

HOD, CIVIL ENGG. DEPT.  
CITY ENGINEERING COLLEGE  
Doddakallasandra,  
BANGALORE - 560 062

[Reimburse]



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Voucher No. 11

Date : 22/11/2021

Debit Head Faculty development

Paid to M/s. / Smt. Sri Vinay Kumar S.N.

Rupees (in words) five hundred rupees only

Towards workshop on technical writing & competitive Grant research proposal

By Cash / ~~Cheque~~ No. 500/- Dated 22/11/2021 Bank \_\_\_\_\_

Rs. 500/-

TDS [Signature]

[Signature]

[Signature]  
Prepared by

[Signature]  
Checked by

Sanctioned by

Receiver's Signature  
Mob No.

**K.S. HANDE**  
**AO**

PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Road





**CITY**  
ENGINEERING COLLEGE

Department of Applied Sciences and Humanities

Date: 8/11/2021

From,

Sumitha N  
Dept. of AS&H  
CEC, Bangalore

To,

The principal,  
City Engineering College,  
Doddakallasandra,  
Bangalore - 560062

Through,

HOD,  
Dept. of AS&H

Dear Sir,

**Subject:** Participated in the workshop

I have participated in "Online National Research Methodology Workshop" organized on 1<sup>st</sup> to 8<sup>th</sup> May 2020.

I request you to provide financial assistance which was paid by me for the same.

Thanking You

Your's Sincerely

  
Seal and Signature of HOD

Head of Department  
Chemistry

City Engineering College,  
Vasanthapura, Bangalore - 560 061.





**CITY**  
ENGINEERING COLLEGE

Department of Computer Science and Engineering

Date: 26/8/19

From,

Deepak NR.  
Dept of CSE  
Bglre' 560062.

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,  
HOD,  
Dept. of CSE

Dear Sir,

Subject: To Participate in "IC4S - 2019".

As I wish to participate in the "International conference on Computing, Communication & Cyber-Security (IC4S-2019) being organized on Oct 2019. I request you to grant permission and provide financial support to me.

Thanking You

Seal and Signature of HOD  
HOD

Dept of Computer Science and Engineering  
CITY ENGINEERING COLLEGE  
Doddakallasandra Off Karakaputa Road  
Bangalore 560061

*Deepak*  
Your's Sincerely



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Voucher No. 13

Date : 9/10/2019

Debit Head Conference

Paid to M/s. / Smt. Sri Deepak N.R

Rupees (in words) five thousand only

Towards international conference

By Cash / Cheque No. 5000/- Dated 9/10/2019 Bank \_\_\_\_\_

Rs. 5000/-

TDS

Prepared by K.S. CHANDE

K.S. CHANDE  
AO

Ranavasa  
Sanctioned by  
CITY ENGINEERING COLLEGE

Deepak  
Receiver's Signature  
Mob No.

Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

Department of Electronics and Communication Engineering

Date: 26/8/19

From,

Nanditha H G  
Dept of ECE  
Bglrc' - 560062

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,  
HOD,  
Dept. of ECE

Dear Sir/Madam

Subject: To Participate in "IC4S - 2019".

As I wish to participate in the "International conference on Computing, Communication & Cyber-Security (IC4S-2019) being organized on Oct 2019. I request you to grant permission and provide financial support to me.

Thanking You

*Nanditha*  
Your's Sincerely

*C. S. M. ...*  
Seal and Signature of HOD

Professor & Head  
Dept. of Electronics &  
Communication Engineering  
City Engineering College,  
Doddakallasandra, Kanakapura Main Road  
Bangalore-560062.



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Voucher No. 14

Date : 9/10/2019

Debit Head

Conference

Paid to M/s. / Smt. Sri

Nanditha H G

Rupees (in words)

five thousand only

Towards

international conference

By Cash / Cheque No.

5000

Dated

9/10/2019

Bank

Rs. 5000/-

TDS

Prepared by

K.S. HANDE  
AO

PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, Bangalore - 560061  
Sanctioned by

Nanditha  
Receiver's Signature  
Mob No.



**CITY**  
ENGINEERING COLLEGE

Department of Applied Science and Humanities.

Date: 03/02/2020

From,

Dr. P. Rajashekar  
Dept of AS & H  
CEC, Bglre - 560062.

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062


Through,  
HOD,  
Dept. of AS & H

Dear Sir/Madam

Subject: To Participate in "RACPABS-2020".

As I wish to participate in the "International conference on Recent Advances in Chemical, Pharmaceutical and Biological Science (RACPABS-2020) being organized on March 2020. I request you to grant permission and provide financial support to me.

Thanking You

  
Your's Sincerely

  
Seal and Signature of HOD

**Dr P. RAJASEKHAR,**  
M.Sc, M.Phil, Ph.D  
HEAD OF THE DEPT. OF CHEMISTRY  
CITY ENGINEERING COLLEGE  
Doddakallasandra, Kanakapura Main Road  
BANGALORE - 560062  
Ph: (08-26669313 (Int) 54125 82134



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

Voucher No. 15

DEBIT VOUCHER

Date : 2/8/2020

Debit Head conference

Paid to M/s. / Smt. Sri Dr. P. Rajasekhar

Rupees (in words) five thousand only

Towards international conference

By Cash / Cheque No. 5000 Dated 2/3/2020 Bank \_\_\_\_\_

Rs. 5000/-

TDS

Rw  
Prepared by

FKS  
Checked by

Pavanreddy  
Sanctioned by

Dr. P. Rajasekhar  
Receiver's Signature  
Mob No.



**CITY**  
ENGINEERING COLLEGE

Department of Computer Science and Engineering

Date: 26/08/2019

From,

Sandya N  
Dept of CSE  
Bglre - 560062

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,  
HOD,  
Dept. of CSE

Dear Sir,

Subject: To Participate in "IC4S - 2019".

As I wish to participate in the "International conference on Computing, Communication & Cyber-Security (IC4S-2019) being organized on Oct 2019. I request you to grant permission and provide financial support to me.

Thanking You

Seal and Signature of HOD

*Sandya*  
Yours Sincerely

HOD  
Dept of Computer Science & Engineering  
CITY ENGINEERING COLLEGE  
Doddakallasandra, Doddakallasandra Road  
Bangalore-560062





# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Voucher No. 16

Date : 10/10/2019

Debit Head

Conference

Paid to M/s. / Smt.Sri

Sandhya N

Rupees (in words)

five thousand only

Towards

international conference

By Cash / Cheque No.

5000

Dated

10/10/2019

Bank

Rs. 5000/-

TDS

Tan  
Prepared by

K.S. WANDE  
Checked by

Ravannetha  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061.  
Sanctioned by

Sandhya  
Receiver's Signature  
Mob No.



**CITY**  
ENGINEERING COLLEGE

**Department of Electronics and Communication Engineering**

Date: 26/08/2019

From,

Shylaja K  
Dept of E&CE  
Bglr - 560062

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,  
HOD,  
Dept. of ECE

Dear Sir/Madam

Subject: To Participate in "IC4S - 2019".

As I wish to participate in the "International conference on Computing, Communication & Cyber-Security (IC4S-2019) being organized on Oct 2019. I request you to grant permission and provide financial support to me.

Thanking You

  
Seal and Signature of HOD

Professor & Head  
Dept. of Electronics &  
Communication Engineering  
City Engineering College,  
Doddakallasandra, Kanakapura Main Road  
Bangalore - 560062.

Shylaja K  
Your's Sincerely



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Voucher No. 17

Date : 9/10/2019

Debit Head Conference

Paid to M/s. / Smt. Sri Shylaja K

Rupees (in words) five thousand only

Towards international conference

By Cash / Cheque No. 5000 Dated 9/10/2019 Bank \_\_\_\_\_

Rs. 5000/-

TDS

Prepared by Tara

Checked by F.S. Rao

Sanctioned by Ramanurthi  
CITY ENGINEERING COLLEGE  
Kanakapura Road, Bangalore - 560 061.

Receiver's Signature Shylaja K  
Mob No.



**CITY**  
ENGINEERING COLLEGE

**Department of Computer Science and Engineering**

Date: 26/08/2019

From,

Sowbhagya M.P  
Dept of CSE  
Bglre- 560062

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,  
HOD,  
Dept. of CSE

Dear Sir,

Subject: To Participate in "IC4S – 2019".

As I wish to participate in the "International conference on Computing, Communication & Cyber-Security (IC4S-2019) being organized on Oct 2019. I request you to grant permission and provide financial support to me.

Thanking You

Seal and Signature of HOD  
HOD

Dept of Computer Science & Engineering  
CITY ENGINEERING COLLEGE  
Doddakallasandra - 560062  
Bangalore 560062

Sowbhagya  
Your's Sincerely



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Voucher No. 18

Date : 9/10/2019

Debit Head Conference

Paid to M/s. / Smt.Sri Sowbhagya M.P

Rupees (in words) five thousand only

Towards international conference

By Cash / Cheque No. 5000 Dated 9/10/2019 Bank \_\_\_\_\_

Rs. 5000

TDS

Prepared by Taer

Checked by F. K. ...

Ravi ...  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061

Sowbhagya  
Receiver's Signature  
Mob No.



**CITY**  
ENGINEERING COLLEGE

Department of Applied Science and Humanities.

Date: 03/02/2020

From,

Sonitha N  
Dept of AS & H  
Bglr - 560062

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,


HOD,  
Dept. of AS & H

Dear Sir/Madam

Subject: To Participate in "RACPABS-2020".

As I wish to participate in the "International conference on Recent Advances in Chemical, Pharmaceutical and Biological Science (RACPABS-2020) being organized on March 2020. I request you to grant permission and provide financial support to me.

Thanking You

  
Your's Sincerely

  
Seal and Signature of HOD

**Dr P. RAJASEKHAR,**  
M.Sc, M.Phil, Ph.D  
HEAD OF THE DEPT. OF CHEMISTRY  
CITY ENGINEERING COLLEGE,  
Doddakallasandra, Kanakapura Main Road  
BANGALORE - 560062.  
PH (01) 26869313 (M) 92428 92734



# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Voucher No. 19

Date : 2/3/2020

Debit Head conference

Paid to M/s. / Smt. Sri Sunitha N

Rupees (in words) five thousand only

Towards international conference

By Cash / Cheque No. 5000/- Dated 2/3/2020 Bank \_\_\_\_\_

Rs. 5000/-

TDS

Prepared by Tax

Checked by [Signature]

Sanctioned by [Signature]

Receiver's Signature [Signature]

Mob No.

CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

Department of Electronics and Communication Engineering

Date: 26/08/2019

From,

Vishvakiran R C  
Dept of ECCE  
Bglr - 560062

To,

The Principal,  
City Engineering College, Doddakallasandra,  
Bangalore-560062

Through,

HOD,  
Dept. of ECE

Dear Sir/Madam

Subject: To Participate in "IC4S - 2019".

As I wish to participate in the "International conference on Computing, Communication & Cyber-Security (IC4S-2019) being organized on Oct 2019. I request you to grant permission and provide financial support to me.

Thanking You

  
Your's Sincerely

  
Seal and Signature of HOD

Professor & Head  
Dept. of Electronics &  
Communication Engineering  
City Engineering College,  
Doddakallasandra, Kanakapura Main Road  
Bangalore - 560 061.





# CITY ENGINEERING COLLEGE

JAYANAGAR EDUCATION SOCIETY (R)

Doddakallasandra, Off. Kanakapura Road, Bangalore - 560 061.

## DEBIT VOUCHER

Date : 8/10/2019

Voucher No. 20

Debit Head Conference

Paid to M/s. / Smt. Sri Vishvakiran R.C

Rupees (in words) five thousand only

Towards international conference

By Cash / Cheque No. 5000 / - Dated 8/10/2019 Bank \_\_\_\_\_

Rs. 5000 / -

TDS

Tase  
Prepared by

E. R. C.  
Checked by

Damithy  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Sanctioned by  
Kanakapura Main Road, BANGALORE - 560 061

D. S. R.  
Receiver's Signature  
Mob No.