



NEWS LETTER 2019

The News Bulletin from Nandha Engineering College

DEPARTMENT OF MASTER OF COMPUTER
APPLICATIONS



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DR RENGARAJAN N

PRINCIPAL

The two major qualities of a truly educated individual are the ability to think with clarity and intellectual inquisitiveness.

Today the value based education is the only help for synthesizing the moral fabric of individual and sure the young Department of Computer Applications offers the value based education in all aspects.

I'm sure this edition is the great effort to showcase their efforts.

I wish them all the very best.

ASSOCIATION ACTIVITIES

Association of MCA Chimera carried out several activities in this Academic Year 2018-2019. The office bearers carry out these activities with determination and due diligence which shows in the Curricular and Co-Curricular listed below with pride.

INTER-COLLEGE MEET

Intercollege meet was conducted on behalf of the Master of Computer Application Association. Various events like Debugging, Paper Presentation, Multimedia presentation and cultural events were conducted to the students which were very useful to expose the talents. The Principal and CEO distributed certificates and prizes to winners of various competitions on 01.03.2019



INDUSTRIAL WORKSHOP

WORKSHOP I

Association of MCA Conducted Industrial Workshops “Hands on Training On C# and .NET” from 05.06.18 to 07.06.18 by Mr. R. Arjun, Solution Architect, Keen Minds Technologies Pvt Ltd., Bengaluru .



He taught about how to develop the project in C# and working with SQL which updated the technical knowledge of our students. At the end of

this workshop, students gained knowledge about practical issues and latest technologies.

WORKSHOP II

Association of MCA Conducted a second Industrial “Workshop on Python Framework ” on 24.08.2018 by Mr. Meenakshisundaram .C, Software Er. – I, Sysvine Technologies Pvt Ltd., Velachery, Chennai.



WORKSHOP III

A Workshop on “Android App Development” was conducted on 18.05.2019 by resource person Mr. C. Gowtham, Software Developer, Tart Labs, Pollachi, Tamilnadu.



WORKSHOP IV

Workshop on "C# and .NET Framework" was conducted on 04.05.2019 by our Alumni and resource person, Mr. K. Naveendiran, Entrust Software & Service Pvt. Ltd., Chennai.



Student Interaction

During the student interaction at the end of Workshop, C.Meenakshisundaram gave tips to prepare the placement , importance of basic knowledge in programming languages, scope of projects, Resume preparation, group discussion skills and surviving in IT companies.

VIGNANI'2019

Our Second and Third year students participated and exhibited various projects in the Vignani'2019 in our college from 3.01.2019 to 5.1.2019 and won prizes.

- Hidam Gosanta Singh, Arjun Singh Athokpam, Abareesh raj of Third year students won the I Prize on Vignani'2019 organized by Nandha Educational Institutions, Erode on 03.01.19 to 05.1.2019.
- Ramaraj S, Jayasurya D of Third year students won the II Prize on Vignani'2019 organized by Nandha Educational Institutions, Erode on 03.01.19 to 05.1.2019.
- Deepashri M, Jamunarani R, Jananisrikamatch AG, Mehala SM of Third year students won the III Prize on Vignani'2019 organized by Nandha Educational Institutions, Erode on 03.01.19 to 05.1.2019.



SPORTS DAY'2019

Our Second MCA student S.Kavipriya won the Bronze Medal Taekwondo in Inter-Zonal Tournaments 2018-19 At Chendhuran Engineering College, Pudukkottai



Our Second MCA student S.Kavipriya won the second prize in Tamilnadu State TAKEWONDO Championship-2018



Our Final MCA student S.Dhivakar won the Second prize in the Open Tournaments: Rotaract Youth Trophy- District Level Cricket at Kongu Arts & Science College.

Our Second MCA student S.Kavipriya won the First prize in the 800 Metres , 400 Metres and 4*100 Relay Race.

N. Sangeetha and S. Madhumitha of second MCA secured the first place in the 4*100 relay race.

N. Sangeetha bagged the first place in the Discuss throw and Second place in Shotput.

Keerthana RV of second MCA secured the III place in the Javelin throw.

Our Students have secured Runner place in the March past in the college Annual Sports Meet



Also, Our Students have secured Runner place in the Chess in the college Annual Sports Meet.

Inter college Sports Meet

An Inter college Meet was conducted and sports event was conducted from 12.02.2019 to 15.02.2019 in which Dr. R.Ramkumar Head, Department of BCA and Ms. T.Parimalam, Head, Department of BSc were the chief guest. They initiated the sports events.





R&D PROPOSALS

- Submitted a Seminar Proposal in the title of “How to Handle Data Integration in IOT Devices” for TNSCST by Mr. S.Jagadeesan & Ms. C. Navamani on 15th March 2018.
- Submitted a National Seminar Proposal in the title of “Integration of IOT Through Cloud Computing ” for TNSCST by Mr. S.Jagadeesan & Ms. C. Navamani on 10th May 2019
- Submitted a National Seminar Proposal in the title of “Blockchain Technology” for TNSCST by Ms. K.E.Eswari and Ms.Zahira Jahan on 8th May 2019.
- Submitted a National Level Seminar Proposal on “Big Data Hadoop Analytics” for DRDO by Ms. K.E.Eswari and Ms.Zahira Jahan on 8th May 2019.



Best Outgoing Students

Nadhiya P

Best Academic Student

Nadhiya P

Best Student in Co-curricular Activities

Keerthana RV

Sowmiya S

Best Student in Extra - curricular Activities

Dhivakar S

PAPER PUBLISHED / PRESENTED

- Estimation based Design for Roadside Information Conveyance Frameworks by Ms. S. Nivedhika, Mr. S. Jagadeesan page 1-7

- Discovery and Isolation Of Multiple Spoofers in Wireless Networks by Ms. P. Nadhiya, Mr. S. Jagadeesan page 8-12
- Effective Prediction Model for Classifying Liver Disease using Classification Algorithms with Particle Swarm Optimization by Ms. A. Praveena, Mr. R. Navin Kumar page 13-18
- Locust Inspired Scheduling Algorithm to Reduce Energy Consumption with Dead Line Resource Provisioning by Ms. S. Shanmugapriya, Mrs. K.E. Eswari page 19-24
- Improve Cloud Base Wi-Fi Network Using Load Base Mobile Cloud Computing Model by Mr. P. Ranganathan , Mr. S. Jagadeesan page 25-29
- Concealed Data Aggregation Scheme for Multiple Applications in Wireless Sensor Networks by Mr. J. Rahul, Mr. R. Navin Kumar page 30-40
- Semantic Based Sentence Ordering with Ontology-Mining in Heterogeneous Data Using Explicit Semantic Analysis by Mr. S. Edison, Mrs. K.E. Eswari page 41-46
- Effective Taxi with Fuel Recommendation using Weather Base Routing Model by Mr. D. Jayasurya, Mr. R. Navin Kumar page 47-53
- Optimal Service Dynamic Pricing for a Cloud Cache by Ms. A.G. Jananisrikamatchi, Ms. N. Zahira Jahan page 54-58
- Double Guard Security Against intrusion in Multitier Application by Ms. S.M. Mehala, Mr. S. Jagadeesan page 59-64
- Scene Text Recognition in Images by Character Descriptor and Structure Configuration by Mr. S. Arulkumar, Ms. N. Zahira Jahan page 65-69
- Effective Ranking Approach for E-Data using Extensible Learning by Mr. M. Mugilan, Mr. C. Mani page 70-78
- Effective Online Discussion Data for Teacher's Reflective Thinking by Mr. B. Thayanandhan, Mrs. K.E. Eswari page 79-83
- Effective Chronic Disease Progression Model by Mr. R. Kavinkumar, Mrs. K.E. Eswari page 84-91
- Secure Mobile Payment Transaction Scheme using Optimistic Fair Exchange (OFE) Protocols with TPA Model by Mr. A. Gokul, Ms. N. Zahira Jahan page 92-96

- A Hybrid Cloud Approach for Preserve Authorized Deduplication by Mr. P. Ganesh, Mrs. C. Navamani page 97-102
- PACK: Prediction-based Cloud Bandwidth and Cost Decrement System by Mr. K. Siragirivelavan, Mr. C. Mani page 103-110
- Image Processing based Leaf ROT Disease Detection of Betel Vine by Ms. P. Jeevitha, Mr. R. Navin Kumar page 111-116
- Alumni and Placement Management System by Ms. R. Pavithralakshmi, Mr. R. Navin Kumar page 117-120
- Enhanced Top-K Query Processing for Two Tiered Sensor Network using W-ASP Tree Model by Ms. R. Jamunarani, Mrs. C. Navamani page 121-126
- Opinion Mining with Target Extraction using Word Identification by Mr. P. Parthipan, Mr C. Mani page 127-131
- Density Base Road Accident Control Sensor Monitoring using Dynamic Network Topology Graph Framework by Ms. M. Deepashri, Mr. R. Navin Kumar page 132-137
- Two-Factor Information Security Assurance Component for Distributed Storage Framework by Ms. G. Gowthini, Mrs. K.E. Eswari page 138-142
- A Selective Encryption Method to Ensure Confidentiality for Big Sensing Data Streams by Mr. S. Arun, Mr. C. Mani page 143-148
- IoT based Garbage Monitoring using GSM by Mr. Arjun Singh Athokpam, Ms. C. Navamani page 149-155
- IoT based Heart Rate Monitoring and Body Temperature Monitoring by Mr. R. Thirumoorthi, Ms. N. Zahira Jahan page 156-161
- IoT based Home Security System using PIR Sensor, GSM and Camera with Message Alert by Mr. S. Dhivakar, Ms. N. Zahira Jahan page 162-167
- IoT based Live Temperature and Humidity Monitoring System by Mr. Abareesh Raj, Mr. S. Jagadeesan page 168-173
- Ambulance Notification and Automatic Traffic Management using Image Processing by Mr. A. Pandiyaraja, Mrs C. Navamani page 174-179
- Mining Graphs for Understanding Time - Varying Volumetric Data by Mrs .G. Visithra, Mrs. C. Navamani page 180-187

- Enhanced Hybrid Model for Balancing Dataset to Improve the Performance of the Classifier by Dr. S. Babu. page 188-192
- An Iterative Mapreduce based Frequent Subgraph Mining Algorithm with Load Balancing by Mr. A. Angappan, Mrs. K.E. Eswari page 193-197
- Effective Malware Detection for Social App using Coarse Clustering Algorithm by Ms. P. Thamilarasi, Mrs. C. Navamani page 198-203
- Effective Discovery of Ranking Fraud for Movies using Classification Mining Algorithm by Ms. M. Keerthana, Mrs. K. Chitra page 204-208.
- Steganography Encryption Standard for Android Application by Ms. V. Aishvarya Ms. N. Sangeetha Ms. M. Rohini, Ms .R. Vanmathi , Mr. S. Sambasivam page 209-214.
- Image Steganography using LSB by Mr. V. Logeshwaran, Mr. M. Nizar Ahamed, Ms. S. Sathana, Ms. S. Sandhiya, Mr. S. Sambasivam page 215-221

SKILL UPGRADATION-FACULTY MEMBERS

- K.E.Eswari, ASP attended One Day Seminar on cost effective solution for selection of cloud services using multi-criteria decision making model organised by Institution of Engineers @ Nandha College of Technology, Erode on 25.07.2018.
- S.Sambasivam, ASP attended One Day Seminar on cost effective solution for selection of cloud services using multi-criteria decision making model organised by Institution of Engineers @ Nandha College of Technology, Erode on 25.07.2018.
- N.Zahira Jahan, ASP attended One Day Seminar on cost effective solution for selection of cloud services using multi-criteria decision making model organised by Institution of Engineers @ Nandha College of Technology, Erode on 25.07.2018.
- K.E.Eswari, ASP attended Two Days ICTACT Sponsored FDP ON Introduction to Mobile Application Development @ JKKN College of Engineering and Technology, Komarapalayam from 11.09.2018 to 12.09.2018.
- N.Zahira Jahan, ASP, attended Two Days ICTACT Sponsored FDP ON Introduction to Mobile Application Development @ JKKN

College of Engineering and Technology, Komarapalayam from 11.09.2018 to 12.09.2018.

- C.Mani, ASP, attended Two Days ICTACT Sponsored FDP on Introduction to Cloud Infrastructure and Services @ Nandha Arts and Science College, Erode from 30.10.2018 to 31.10.2018.
- S.Sambasivam, ASP, attended Two Days ICTACT Sponsored FDP on Introduction to Cloud Infrastructure and Services @ Nandha Arts and Science College, Erode from 30.10.2018 to 31.10.2018.
- C.Navamani, AP, attended Two Days ICTACT Sponsored FDP on Introduction to Cloud Infrastructure and Services @ Nandha Arts and Science College, Erode from 30.10.2018 to 31.10.2018.
- C.Mani, ASP/MCA attended National Level Seminar on “IoT Analytics “ at Kongu Arts and Science College, Erode on 29.01.2019
- N.Zahira Jahan, ASP/MCA attended National Level Seminar on “IoT Analytics “ at Kongu Arts and Science College, Erode on 29.01.2019
- C.Navamani, AP attended National Level Seminar on “IoT Analytics “ at Kongu Arts and Science College, Erode on 29.01.2019

- S.Jagadeesan, AP attended National Level Seminar on “IoT Analytics “ at Kongu Arts and Science College, Erode on 29.01.2019

AWARDS & ACHIEVEMENTS –FACULTY

- Ms. N.Zahira Jahan, ASP/MCA acted as Chief Guest in Association Inaugural Function of CS Department, Nandha Arts and Science College, Erode on 11.07.2018
- K.E.Eswari, ASP/MCA has been selected the category of Best Senior Faculty Award for the DK International Research Foundation Faculty Awards 2018.
- N Zahira Jahan, ASP/MCA has been selected the category of Best Senior Faculty Award for the DK International Research Foundation Faculty Awards 2018.
- C Navamani, AP/MCA has been selected the category of Best Senior Faculty Award for the DK International Research Foundation Faculty Awards 2018.
- S Jagadeesan, AP/ MCA has been selected the category of Best Senior Faculty Award for the DK International Research Foundation Faculty Awards 2018.

- Ms. K.E.Eswari, ASP/MCA acted as Chief Guest in Association Valedictory Function of CS Department, Nandha Arts and Science College, Erode on 20.03.2019
- S.Sambasivam has done consultancy work to the tune of Rs.15000 for this academic year.
- Keerthana RV. Second year student won the I Prize on Technoscript Contest at the Vellalar College for Women, Thindal on 5th November 2018.
- Keerthana RV. Second year student won the II Prize on Marketing Contest at the Vellalar College for Women, Thindal on 28th September 2018.

AWARDS & ACHIEVEMENTS - STUDENTS

- MCA Student's Participated in various events Inside and Outside our College and won many prizes this academic year. Some of them are mentioned below:
- Thilagavathi S. Second year student won the I Prize on Multimedia Event in the Intradepartment Meet at Nandha Engineering College on 21st February 2019.
- Santhosh L. Second year student won the I Prize on Multimedia Event in the Intradepartment Meet at Nandha Engineering College on 21st February 2019.
- Sowmiya S. Second year student won the I Prize on Technoscript Contest at the Vellalar College for Women, Thindal on 5th November 2018.
- Thilagavathi S, Dhandapani V of Second year and Nadhiya P, Pavithralakshmi R of Third Year attended the GUVI Community Conference at MIT Chennai on 02.04.2019.
- Nadhiya P and Pavithralakshmi R of Third year students won the Tech Excellence Award for Outstanding Performance at GUVI Community Conference 2019 held by Nandha Group of Institutions, Erode.
- 15 Nos. of Third Year students were participated in the Sports day 2019 and 11 students Won the Prizes in various events like Athletics, Chess etc.

ALUMNI INTERACTION

- Mr. R.Arjun, Mr. C. Meenakshisundaram and many other Alumni visited our college Premises and department in this Academic Year.

PLACEMENT ACHIEVEMENTS

- During the Academic year 2018-2019, produced 100% of career settlement in ON drive and OFF drive in various MNC companies.
- Nadhiya P and Nivedhika S are placed in OASYS Cybernatics Private Limited., with Salary Around 4 lakhs per annum.
- Jananisrikamatchi AG of Third year MCA placed in TATA Consultancy Services on 01.10.2018 with around 3.5 lakhs per annum.
- Pandiyaraja A, Pavithralakshmi R, and Gowthini G of Third year MCA secured placement in Nithra Edu Solutions India Private Limited Company.
- Thayanandhan of Third year MCA is placed in Savvysoft Technologies on 17.12.18 around 3.7 lakh per annum.
- Abareesh Raaj of Third year MCA is placed in English Edge Company.
- Megala SM of Third year MCA is placed in Hicitizen Life Skills on 5.02.19.
- Kavinkumar R of Third year MCA is placed in Vee Technologies on 19.02.19.
- Mugilan M of Third year MCA is placed in the Company Winner Institute of Communication English with around one lakh eighty thousand per annum.
- Shanmugapriya S of Third year MCA is placed in Six Dots company on 20.02.19.