



VIVEKANANDHA



COLLEGE OF ENGINEERING FOR WOMEN

(An Autonomous Institution, Approved By AICTE New Delhi, and Affiliated To Anna University Chennai)
Elayampalayam, Tiruchengode, Namakkal-637205

Faculty Orientation Programme

On

“NBA Accreditation Process”

DATE: 16-02-2018



Organized by

INTERNAL QUALITY ASSURANCE CELL

&

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VIVEKANANDHA

COLLEGE OF ENGINEERING FOR WOMEN

(Autonomous)

(Approved By AICTE, Affiliated to Anna University, Chennai,
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Elayampalayam – 637205, Tiruchengode, Namakkal Dt.,
Tamilnadu, India.




PRINCIPAL,
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VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
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INTERNAL QUALITY ASSURANCE CELL

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

12-02-2018

Submitted to the Chairman:

We are planning to organize a Faculty Orientation Programme on "NBA Accreditation Process" for our faculty members on 16th February 2018 & 3rd March 2018. Dr. N.Shanthi, Professor; Department of CSE, Kongu Engineering College, Erode has consented to be the resource person for this event.

The general introduction on Outcome Based Education and Programme Outcome Mapping will be discussed on 16th February 2018. After completing the Outcome Mapping based on our curriculum the second day programme is arranged on 3rd March 2018 for verification and clarification of NBA documents.

In this regard, we request your permission to conduct the programme and incur the following expenses.

S.No.	Particulars	Approximate Amount (Rs)
1.	Chief Guest Expenses(Honorarium, TA & DA) @ Rs.7,000 per day	14,000
2.	Refreshment, Lunch & Miscellaneous Expenses	2000
Total		16,000

L.M.C
12/2/18
IQAC COORDINATOR

e. S. P.
12/2/18
HOD / CSE

S. P. S.
12/2/18
PRINCIPAL

S. S. S.
12/2/18
ADVISOR

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VIVEKANANDHA
EDUCATIONAL INSTITUTIONS

Prof. Dr. S. SURESH KUMAR, B.E., M.S., M.Tech., Ph.D.,
Principal

13.02.2018

To

Dr.N.Shanthi,
Professor,
Department of Computer Science and Engineering,
Kongu Engineering College,
Erode – 638 060

Dear Madam,

Greetings from Vivekanandha College of Engineering for Women!

We are pleased to invite you to as a Resource Person for the
Faculty Orientation Programme on “**NBA Accreditation Process**” for
our faculty members on **16.02.2018** in our VCEW Seminar Hall.

Your experience will highly enrich our faculty members.

Thanking you

Yours Sincerely,

S/13/2/18.
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VCEW/IQAC/1.2/18/010

**GENERAL COMMUNICATION
INTERNAL QUALITY ASSURANCE CELL**

Date: 14/02/2018

TIME: 1.00 PM

CLASSIFICATION	ROUTINE
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ORIGINATOR: PRINCIPAL	CIRCULATED TO: All HoD's
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The Internal Quality Assurance Cell and Department of Computer Science and Engineering organizes one day faculty orientation programme on "NBA Accreditation Process" on 16.02.2018 at EEE Seminar Hall. Hence all the faculty members are asked to attend the programme without fail.

H. M. S. 14/2/18
IQAC COORDINATOR
COORDINATOR - IQAC,
VIVEKANANDHA COLLEGE OF
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ELAYAMPALAYAM - 637 205.
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Tamil Nadu

Copy to:

1. The Chairman & Secretary
2. The Chief Executive
3. All HODs

EVIDENCE OF COMPLETION

Number of persons not received /seen -----/-----

Signature of Originator with date and time.



[Signature]
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VCEW/IQAC/1.2/18/011

**GENERAL COMMUNICATION
INTERNAL QUALITY ASSURANCE CELL**

Date: 14/02/2018

TIME: 1.00 PM

CLASSIFICATION	ROUTINE
ORIGINATOR: PRINCIPAL	CIRCULATED TO: All Heads of the Institutions

The Internal Quality Assurance Cell of VCEW organizes a one day faculty orientation programme on "NBA Accreditation Process" on 16.02.2018 at EEE Seminar Hall. This programme focuses on Outcome Based Education and Programme Outcome Mapping. Kindly depute the interested faculty members for this event.

L.M.R. 14/2/18
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3. All Head of the Institutions

EVIDENCE OF COMPLETION

Number of persons not received /seen -----/-----

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INTERNAL QUALITY ASSURANCE CELL

&

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The Management, Principal and Faculty Members

Cordially invite you to

Faculty Orientation Programme on “NBA Accreditation Process”

Date : 16.02.2018

Venue : VCEW EEE Seminar Hall

Chief Guest

Dr.N.Shanthi

Professor

Department of Computer Science and Engineering,

Kongu Engineering College

Erode

“Vidhya Ratna”


Prof.Dr.M.KARUNANITHI,B.Pharm., M.S., Ph.D., D.Litt.

Chairman & Secretary,

Vivekanandha Educational Institutions,

Tiruchenngode & Sankari.




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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Faculty Orientation Programme on NBA Accreditation Process

Date: 16/02/2018

Date of Faculty Orientation Programme : 16/02/2018			
Timing	Topic	Resource Person	Venue
10:00 AM – 4:00 PM	NBA Accreditation Programme	Dr.N.Shanthi, Professor, Department of Computer science and Engineering, Kongu Engineering College, Erode.	VCEW EEE Seminar Hall




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PROFILE

Name	Dr.N.SHANTHI	
Department	Computer Science and Engineering	
Qualification	B.E., M.E. ,Ph.D.	
Area of Specialization	Digital Image Processing, Network Security, Data Mining	
Date of Joining KEC	03-07-2017	
Experience in (Years)	Teaching: 23 Industry: -- Others: --	
Number of Papers Published	International Journals: 75	
Number of Papers Presented	National Conferences:	19
	International Conferences:	19
Number of Books Published	2	
Number of Funded Programmes Organized	10	
Contact Details	Email: shanthi.cse@kongu.ac.in	
	Mobile: 9842013355	
	Office: 04294-226560	Intercom:



Journals Published (International)

- [1] N.Shanthi, Dr.K.Duraiswamy, "Performance Comparison of Different Image Sizes for Recognizing Unconstrained Handwritten Tamil Characters using SVM", Journal of Computer Science, Vol.3 (9), pp. 760 – 764, 2007.
- [2] N.Shanthi, Dr.K.Duraiswamy, "Enhancing the Performance of Handwritten Tamil Character Recognition System by Slant Removal and Introducing Special Features", International Journal of soft Computing, Vol.3 (2), pp.139 – 143, 2008.
- [3] S.Thilagamani, N.Shanthi, "Literature survey on enhancing cluster quality", International journal on computer science and Engineering", Vol.02, No.06, pp.1999-2002, 2010.
- [4] N.Shanthi, Dr.K.Duraiswamy, "A Novel SVM based Handwritten Tamil Character Recognition System", Pattern Analysis and Applications, Springer London, DOI: 10.1007/s10044-009-0147-0, Vol.13, Issue 2, pp.173-180, 2010.
- [5] S.Thilagamani, N.Shanthi, "A Survey on Image Segmentation Through Clustering", International Journal of Research and Reviews in Information Sciences Vol. 1, No. 1, March 2011.
- [6] S.Thilagamani, N.Shanthi, "A Novel Recursive Clustering Algorithm for Image Oversegmentation", European Journal of Scientific Research, ISSN 1450-216X Vol.52 No.3 (2011), pp.430-436, 2011.
- [7] S.Thilagamani, N.Shanthi, "Object recognition based on image segmentation and clustering", Journal of Computer Science, 7 (11): 1741-1748, 2011.
- [8] D.Thiyagarajan, N. Shanthi, S. Navaneethakrishnan, "A Web Search Engine-Based Approach to Measure Semantic Similarity between Words", International Journal of Advanced Engineering Research and Studies, Vol. I/ Issue II/January-March, 2012/190-193.
- [9] D.Thiyagarajan, N. Shanthi, M.Sathish kumar, "Graphic Based Recommendation of Data For Mining the Social Networking Sites", Vol. I/ Issue II/January-March, 2012/198-201.
- [10] P.G.Kathiravan, C.Rajan, Dr.N.Shanthi, "Enhancement of Hlerarchical Key Management Scheme of Secure Multicast Transmission for Overlay Networks", International journal of Computer Network and Security, Vol 4. No 1. Jan-Mar 2012, ISSN: 0975-8283, pp:74-82.
- [11] C.Rajan, N.Shanthi, R.Mohan, "Simulation-based performance evaluation of stability in different mobility model using routing




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- protocols in MANET", *Int. Journal of computer Information systems*, Vol.5, No.5, 2012.
- [12] C.Rajan, N.Shanthi, "A Stable Mobility Model Evaluation Strategy for MANET Routing Protocols", *International Journal of Advanced Research in Computer Science and Software Engineering (IJCSIS)* Volume 2, Issue 12, December 2012 ISSN: 2277 128X.
- [13] B.Gopinath, N.Shanthi, "Automated Segmentation of Cancer Cells In Microscopic Images of ELA Cancer Cells to evaluate the Cytotoxic Effect of selected Medicinal Plants", *Journal of Medical and Biological Engineering*, Volume 32, Issue 4: pp. 279-286, 2012.
- [14] C.Rajan, N.Shanthi, "Swarm optimized multicasting for wireless network", *Life sciences Journal*, 10(4s), 2013.
- [15] C.Rajan, N.Shanthi, "Misbehaving attack mitigation technique for multicast securely in mobile adhoc networks (MANET)", *Journal of theoretical and applied information technology*, ISSN:1992-8645, pp.1349-1357, 2013.
- [16] S.Thilagamani, N.Shanthi, "Innovative Methodology for Segmenting the Object from a Static Frame", *International Journal of Engineering and Innovative Technology (IJEIT)* Volume 48, Issue 3 February 2013, pp:52-56.
- [17] S Sarumathi, N Shanthi and G.Santhiya, "A Survey of Cluster Ensemble", *International Journal of Computer Applications (0975 – 8887)* Volume 65– No.9, March 2001, pp:8-11.
- [18] R.Umamaheswari, N.Shanthi, "Semantic Web Search Using Ontology Based Classification Algorithms: A Survey", *International Journal of Advanced Research in Data Mining and Cloud Computing*, Vol.1, Issue 1, July 2013, pp:27-34, ISSN 2321-8754.
- [19] T.Suresh Kumar, R.Vidhula, Dr.N.Shanthi, "A Survey on Tools For Web Data Extraction", *International Journal of Societal Applications of Computer Science*, Volume 2 Issue 3 March 2013, pp:331-334.
- [20] B.Gopinath, N.Shanthi, "Support Vector Machine based Diagnostic System for Thyroid Cancer using Statistical Texture features", *Asian Pacific Journal of Cancer Prevention* 14 (1), 97-102, 2013.
- [21] B.Gopinath, N.Shanthi, "Computer-aided diagnosis system for classifying benign and malignant thyroid nodules in multi-stained FNAB cytological Images", *Australasian Physical & Engineering Sciences in Medicine (DOI: 10.1007/s13246-013-0199-8)*, 2013, pp:219-230.
- [22] K.Geetha, Dr.P.Thangaraj, C.Rajan, Dr.N.Shanthi, "Performance Evaluation of ABR Routing in Malicious Network", *International Journal Of Computer Science Engineering*, Vol.2 No.6, Nov 2013, pp:279-285.
- [23] R.Jothilakshmi, Dr.N.Shanthi, "A survey on semantic query expansion", *Journal of Theoretical and Applied Information Technology*, Vol. 57 No.1, 10th November 2013, pp:128-138.
- [24] S Sarumathi, N Shanthi and M Sharmila. "A Comparative Analysis of Different Categorical Data Clustering Ensemble Methods in Data Mining", *International Journal of Computer Applications* 81(4):46-55, November 2013.
- [25] S Sarumathi, N Shanthi and M Sharmila, "Analysis of Diverse Clustering Tools in Data Mining", *World Academy of Science, Engineering and Technology*, *International Journal of Computer, Information Science and Engineering*, Vol:7 No:12, 2013, pp:985-989.
- [26] Umamaheswari R, Shanthi N, Rameshkumar R & Deepa B, "Ontology concepts and classification algorithms in semantic web search using advanced technologies", *International Journal of Advanced Research in Computer Science and Applications*, vol. 1, no. 5, November 2013, ISSN: 2321-872X - Online 2321-8932- Print, 2013
- [27] S Sarumathi, N Shanthi and M Sharmila, "A Review: Comparative Analysis of Different Categorical Data Clustering Ensemble Methods" *International Journal of Computer, Information Science and Engineering*, Vol:7 No:12, 2013.
- [28] C.Rajan, C.Dharanya, Dr.N.Shanthi, "A probabilistic rebroadcast for reducing routing overhead in a real time MANET environment", *Journal of Global Research in Computer Science*, Volume 5, No. 1, January 2014 pp:3-5.
- [29] T.Suresh Kumar, Sivaranjani.S, Dr.N.Shanthi, "A survey of tools for extracting and aligning the data in web", *International Journal of Computer Science & Engineering Technology*, Vol. 5 No. 03 Mar 2014, pp:262-265.
- [30] M.Reka and Dr.N.Shanthi, "Relation Based Mining model for Enhancing Web Document Clustering", *International Journal of Engineering and Technology*, Vol 6 No 2 Apr-May 2014, pp:825-832.
- [31] B.Gopinath, N.Shanthi, "Development of an Automated Medical Diagnosis System for Classifying Thyroid Tumor Cells using Multiple Classifier Fusion", *Technology in Cancer Research & Treatment* 2014 April.
- [32] S.Thilagamani, N.Shanthi, "Gaussian and Gabor Filter Approach for Object Segmentation", *Journal of Computing and Information Science in Engineering*, doi:10.1115/1.4026458, Volume 14 June 2014, 021006-1-7.
- [33] E.Padma, Dr.N.Shanthi, "Enhancing the Performance of Wireless Ad hoc Network with AOLB Geographic Routing Technique", *International Journal of Innovations in Engineering and Technology*, Vol. 4 Issue 1 June 2014.
- [34] P.Sarala, Dr.N.Shanthi, "Efficient Resource Mapping by means of Storage Tiering using RAID in Cloud", *International*



Journal of Innovations in Engineering and Technology (IJJET), Vol. 4 Issue 1 pp.149-158, June 2014.

- [35] R Gokulavanan, Dr N Shanthi, "Cloud User Voice Authentication enabled with Single Sign-On framework using OpenID", International Journal of Innovations in Engineering and Technology (IJJET), Vol. 4 Issue 1 pp.56-64, June 2014.
- [36] C. Rajan N. Shanthi, C. Rasi Priya, K. Geetha, "Investigation on Novel Based Metaheuristic Algorithms for Combinational Optimization Problems in Ad Hoc Networks", International Journal of Computer, Information, Systems and Control Engineering Vol:8 No:6, 2014, pp 970-975.
- [37] T. Suresh Kumar, M. Arthanari, N. Shanthi, "A Comparative Analysis of Different Web Content Mining Tools", International Journal of Computer, Information, Systems and Control Engineering Vol:8 No:9, 2014, pp:1534-1538.
- [38] S. Vidhya, S. Sarumathi, N. Shanthi, "Comparative Analysis of Diverse Collection of Big Data Analytics Tools", International Journal of Computer, Information, Systems and Control Engineering Vol:8 No:9, 2014, pp:1496-1502
- [39] R. Babisarawathi, N. Shanthi, S. S. Kiruthika, "Categorizing Search Result Records Using Word Sense Disambiguation", International Journal of Mathematical, Computational, Physical and Quantum Engineering Vol:8 No:5, 2014, pp:871-875.
- [40] S. Sarumathi, N. Shanthi, S. Vidhya, M. Sharmila, "A Comprehensive Review on Different Mixed Data Clustering Ensemble Methods", International Journal of Mathematical, Computational, Physical and Quantum Engineering Vol:8 No:8, 2014, pp:1117-1127.
- [41] S. Sarumathi, N. Shanthi, S. Vidhya, M. Sharmila, "A Review: Comparative Study of Diverse Collection of Data Mining Tools", International Journal of Computer, Information, Systems and Control Engineering Vol:8 No:6, 2014, pp:952-957.
- [42] R.Arthi, E.Padma, Dr.N.Shanthi, "A Comparative Study Of Routing Protocols In Ad Hoc Networks", Volume 3, No.3, July – September 2014, pp:52-58.
- [43] Ms.Kaipana.R, Dr.Shanthi.N., Dr.Arumugam.S, "A Survey on Data Mining Techniques in Agriculture", International Journal of Advances in Computer Science and Technology, Volume 3, No.8, August 2014, 426- 434, August 2014.
- [44] P.Nithya, R.Umamaheswari, Dr. N.Shanthi, "An Enhanced Similarity Computation for Document Clustering Approaches", International Journal of Science and Engineering Research (IJOSER), Vol 2 Issue 10 October -2014.
- [45] Ms.V.Karunya, Mrs.P.Sarala, Dr.N.Shanthi, "A survey on multimodal biometric authentication system in cloud computing", Inter. J. Int. Adv. & Res. In Engg. Comp., Vol.-02 (04) 2014 [115-122].
- [46] Mr.B.Uvaraja, Dr.N.Shanthi, "A study on job scheduling in cloud environment", Inter. J. Int. Adv. & Res. In Engg. Comp., Vol.-02 (04) 2014 [107-114].
- [47] Gowsic, K., Dr Shanthi, N., Preetha, B., "Hybrid-XLP: An Efficient Hybrid Cross-Layer Communication Protocol for Ultra Wide Band Wireless Multimedia Sensor Networks", Australian Journal of Basic and Applied Sciences, 8(18) December 2014, Pages: 503-511.
- [48] M. Reka and Dr. N. Shanthi, "A Sem-link Classifier for Web Document Clustering", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 9, Number 23 (2014) pp. 22997-23012
- [49] T.Sureshkumar and N.Shanthi, "LVC-D: A Technique to Extract Web Page Data Using Layout, Visual and Content-Based Features", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 2 (2015) pp. 2465-2481.
- [50] R.Arthi, E.Padma, Dr.N.Shanthi, "A heuristic approach for secured routing in MANET", International Journal of Future Innovative Science and Technology (IJFIST), May 2015.
- [51] Mrs.S.Sarumathi, Dr.N.Shanthi, Ms.M.Sharmila, "Linked Spectral Graph based Cluster Ensemble Approach using Weighted Spectral Quality Algorithm for Medical Data Clustering", WSEAS TRANSACTIONS ON COMPUTERS, E-ISSN: 2224-2872, Volume 14, 2015.
- [52] B.Uvaraja, Dr.N.Shanthi, "Dynamic allocation method for efficient load balancing in virtual machines for cloud computing environment", International Journal of Intellectual Advancements and Research in Engineering Computations, ISSN: 2348-2079, MAR-2015.
- [53] R.Arthi, E.Padma, Dr.N.Shanthi, "Security Enhancement For Efficient Routing In MANET", International Journal of Intellectual Advancements and Research in Engineering Computations, ISSN: 2348-2079, MAR-2015.
- [54] S. Sarumathi, N. Shanthi, S. Vidhya, "Satellite Rainfall Prediction Techniques - A State of the Art Review",



International Journal of Environmental, Ecological, Geological and Geophysical Engineering Vol:9, No:2, 2015.

- [55] S. Sarumathi, N. Shanthi, S. Vidhya, P. Ranjetha, "STATISTICA Software: A State of the Art Review", International Journal of Computer, Control, Quantum and Information Engineering Vol:9, No:2, 2015.
- [56] C Rajan, N Shanthi, "Genetic based optimization for multicast routing algorithm for MANET", Sadhana, 2341-2352 Vol.40, No.8, 2015.
- [57] N Aravindhraj, N Shanthi, "A survey on multimodal biometrics authentication and template protection", International Journal of Intellectual Advancements and Research in Engineering Computations, 2015.
- [58] S Sarumathi, N Shanthi, "Comprehensive Analysis of Data Mining Tools", WASET International Journal of Computer, Electrical, Automation, Control and Information Engineering, 1302-1312, Vol.9, No.3, 2015.
- [59] Saranya. R, Padma. E , Shanthi. N, "Survey on QOS routing in mobile ad hoc networks", International Journal of Intellectual Advancements and Research in Engineering Computations, ISSN: 2348 – 2079 June – 2015.
- [60] R. Umamaheswari and N. Shanthi, "An Efficient Hybrid Information Retrieval Approach for Unstructured Document Classification", International Journal of Applied Engineering Research, Volume 10, Number 24 (2015) pp 44504 – 44508.
- [61] S. Sarumathi, N. Shanthi, P. Ranjetha, "Analysis of diverse cluster ensemble techniques", WASET International Journal of Computer, Electrical, Automation, Control and Information Engineering, Volume 9 Issue 11 Pages 2182-2192, 2015.
- [62] K.Gowsic, A. Sivanantham, Dr.N.Shanthi, B.Preetha, "A novel approach for energy efficient Reliable routing using TABU in Wireless ad hoc networks", International Journal of Emerging Technology in Computer Science & Electronics, Volume 20 Issue 1 February 2016.
- [63] N Aravindhraj, N Shanthi, "Multimodal Biometric Authentication System Using Feature Level Fusion", International Journal of Science and Engineering Research, Vol 4 Issue 4 April – 2016 3221 5687, (P) 3221 568X.
- [64] Saranya. R, Padma. E, Shanthi. N, "Geographic routing based adaptive location update for mobile ad hoc networks", International Journal of Emerging Technology in Computer Science & Electronics, ISSN: 0976 – 1353 Volume 21 Issue 2 – APRIL 2016.
- [65] Sarumathi Sengottaian, Shanthi Natesan, Ranjetha Palanisamy, "Comprehensive Analysis of Big Data and its Tools", Journal of Information Technology and Sciences, Vol.2 No.1, 2016.
- [66] Pavithra, Dr.N. Shanthi, "A Survey on Detection of Diabetic Retinopathy and Glaucoma from Fundus Images", International Journal of Science and Research (IJSR), Vol.5, Issue 7, July 2016.
- [67] Reka M, Dr.N Shanthi, "An Efficient Multi – Dimensional Level based Semantic Relational Depthness Clustering for Enhancing Web Document Clustering", Asian Journal of Research in Social Sciences and Humanities, Vol. 6, Special Issue Sept 2016, pp. 343-356.
- [68] Umamaheswari R, Shanthi N & Thenmozhi M, 'A novel Approach to improve Efficient Information Retrieval based on Natural Language Processing', International Journal of Latest trends in Engineering and Technology, vol. 7, no. 3, June 2016, ISSN- 2278- 621X, 2016.
- [69] S. Sarumathi, Dr. N. Shanthi, "A Neural Network based Cluster Ensemble Approach for Biological Data Clustering", Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No. 8, August 2016, pp. 745-763.
- [70] Sarumathi S, Shanthi N, Sharmila M, "Weighted Delta Factor Cluster Ensemble Algorithm for Categorical Data Clustering in Data Mining", The International Arab Journal of Information Technology.
- [71] Sundarapandiyam S., Shanthi N. and Mohamed Yoonus M., "Syllable Based Tamil Language Continuous Robust Speech Recognition Using MGDFGWCC with DNN-HMM", I J C T A, 9(7), 2016, pp. 3391-3400.
- [72] Sundarapandiyam S., Shanthi N. and Mohamed Yoonus M., "Performance Analysis of Syllable Based Tamil Language Robust Speech Recognition System Using Modified Group Delay Function, Gammatone Cepstral Coefficients, Hidden Markov Model and Deep Neural Network", I J C T A, 9(7), 2016, pp. 3407-3419.
- [73] R. Umamaheswari Dr. N. Shanthi, "A Novel Method for Classification of Unstructured Documents by using Wordnet based Semantic Similarity", Vol. 6, No. 12, December 2016, pp. 307-312.
- [74] K. Gowsic, Dr. N. Shanthi, B. Preetha, "Firefly resources optimization technique for data delivery in wireless multimedia sensor networks", Asian Journal of Research in Social Sciences and Humanities, Vol. 7, No. 1, January 2017, pp. 1011-1029.



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[75] R. Jothilakshmi, N. Shanthi, "Combining Multiple Term Selection Methods for Automatic Query Expansion in Pseudo Relevance Feedback using Rank Score Method", Vol. 7, No. 1, January 2017, pp.910 – 922.

Books Published

1. Dr.N.Shanthi, S.Thilagamani, Data Mining & Warehousing - Sri Maruthi Publishers, Oct 2010
2. Dr.N.Shanthi, S.Thilagamani, Computer networks - Sri Maruthi Publishers, June 2012

Funded Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other)

S.No	Title of the Programme	Name of the Funding Agency
1	Training Programme on "Building Skills of SHG Women in Establishing Information Kiosks"	Tamilnadu Corporation for Development of Women
2	seminar on "Research Challenges of Data Security in Grid and Cloud Computing"	CSIR
3	Seminar on "An Intelligent based Wireless Ad-Hoc and Sensor Networks and its Application with Ocean Technology"	MoES
4	Workshop On "Research Aspects of M2M Technology and Wireless Sensor Networks in Space Communication"	DRDO
5	FDP on "Recent Advances in Pattern Recognition – Artificial Models and Analysis in Biometrics"	AICTE
6	Seminar on "Legal Awareness Programme about Women Related Laws"	NCW
7	"IPR Awareness Workshop"	DeitY
8	Seminar on "Innovative Approach on the Use of ICT's for Sustainable Agriculture and Rural Development"	NABARD
9	Seminar on "Global Perspectives of Data Science with Open Source Software Tools: R and Python"	DST
10	Seminar on Human rights for students	NHRC




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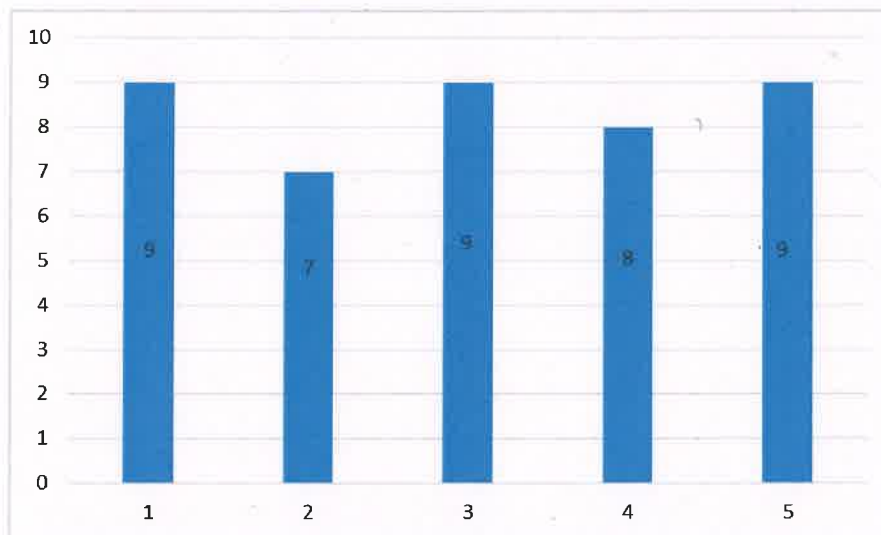
INTERNAL QUALITY ASSURANCE CELL

&

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 16/02/2018

Faculty Orientation Programme on NBA Accreditation Process



S.No	Content	Feed Back Mark (10)
1	Course Content	9
2	Resource Person	7
3	Duration of the Program	9
4	Hospitality	8
5	Overall Arrangements	9



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INTERNAL QUALITY ASSURANCE CELL

Faculty Development Programme

On

“NBA Accreditation Process” Dt: 16.02.2018

Feedback Form

Name : P. Ramesh

Designation / Department/College: AP / CSE / VCEW

RATING SYSTEM	1 = Strongly Disagree	2 = Disagree	3 = Not Sure	4 = Agree	5 = Strongly Agree
----------------------	------------------------------	---------------------	---------------------	------------------	---------------------------

Course Content & Facilitator	Resource Person				
	1	2	3	4	5
1. The programme achieved the stated objectives				✓	
2. The content was relevant to topic					✓
3. The activities aided understanding of concepts					✓
4. The Resource Person communicated the programme expectations effectively				✓	
5. The Resource Person was sensitive to individual participant needs					✓
6. The Resource Person communicated instructions clearly					✓
7. The Resource Person made good use of the time allotted				✓	
8. The Resource Person presentation style was effective in helping me to understand					✓

9. General Comments :

Through this class I understand various Accreditation Process conducted by NBA team. I apply to this in my criteria.

(Signature)
Signature



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INTERNAL QUALITY ASSURANCE CELL

Faculty Development Programme

On

“NBA Accreditation Process” Dt: 16.02.2018

Feedback Form

Name : *A - JITHY RENOLD*

Designation / Department/College: *AP | EEE | VCEW*

RATING SYSTEM	1 = Strongly Disagree	2 = Disagree	3 = Not Sure	4 = Agree	5 = Strongly Agree
---------------	-----------------------	--------------	--------------	-----------	--------------------

Course Content & Facilitator	Resource Person				
	1	2	3	4	5
1. The programme achieved the stated objectives				✓	
2. The content was relevant to topic					✓
3. The activities aided understanding of concepts					✓
4. The Resource Person communicated the programme expectations effectively					✓
5. The Resource Person was sensitive to individual participant needs					✓
6. The Resource Person communicated instructions clearly					✓
7. The Resource Person made good use of the time allotted					✓
8. The Resource Person presentation style was effective in helping me to understand					✓

9. General Comments :

This program very useful to us. Thanks to management & Principal Sir.

A-Jithy
Signature



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VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

ELAYAMPALAYAM, TIRUCHENGODE

Staff Name List 17 - 18

S.NO	NAME OF THE STAFF	DESIGNATION	REMARKS
1	Dr.Suresh Gnana Dhas	HOD/CSE	<i>[Signature]</i>
2	Dr.L.Malathi	AP/CSE	<i>[Signature]</i>
3	N.Mohanapriya	AP/CSE	<i>[Signature]</i>
4	V.Shanmugavalli	AP/CSE	<i>[Signature]</i>
5	P.Brindha	AP/CSE	<i>[Signature]</i>
6	G.Sasikala	AP/CSE	<i>[Signature]</i>
7	D.Radhika	AP/CSE	<i>[Signature]</i>
8	R.T.Dinesh kumar	AP/CSE	<i>[Signature]</i>
9	A.S Renugadevi	AP/CSE	<i>[Signature]</i>
10	A. Thamarai selvi	AP/CSE	<i>[Signature]</i>
11	B.Ananthi	AP/CSE	<i>[Signature]</i>
12	J.Gayathri	AP/CSE	<i>[Signature]</i>
13	M.Mailsamy	AP/CSE	<i>[Signature]</i>
14	R.Jayanthi	AP/CSE	LEAVE
15	R.Rajagopal	AP/CSE	<i>[Signature]</i>
16	Nasurudeen Ahamed	AP/CSE	<i>[Signature]</i>
17	T.Viswanath Kani	AP/CSE	<i>[Signature]</i>
18	G.Rajasekaran	AP/CSE	<i>[Signature]</i>
19	P Ramesh	AP/ CSE	<i>[Signature]</i>
20	D.Selvam	AP/ CSE	<i>[Signature]</i>
21	P Sathish Kumar	AP/ CSE	<i>[Signature]</i>
22	Dr. N.M.Saravanakumar	HOD/IT	<i>[Signature]</i>
23	G. Arulkumaran	AP/IT	<i>[Signature]</i>
24	E. Thangadurai	AP/IT	<i>[Signature]</i>
25	K. Prabhakar	AP/IT	<i>[Signature]</i>
26	M. Madlin Asha	AP/IT	<i>[Signature]</i>
27	R. Sangeetha	AP/IT	<i>[Signature]</i>
28	S. Sinduja	AP/IT	<i>[Signature]</i>
29	S. Pavithra	AP/IT	<i>[Signature]</i>
30	Dr. E.Menaka	AP/IT	<i>[Signature]</i>
31	R. Sathya	AP/IT	<i>[Signature]</i>
32	M. Rajeshwari	AP/IT	<i>[Signature]</i>
33	M. Mohamed Nizarudeen	AP/IT	Long Absent
34	Dr. D. Sasikala	HOD/ECE	<i>[Signature]</i>
35	P.Nagarajan	AP/ECE	<i>[Signature]</i>
36	T.Jayasimha	AP/ECE	<i>[Signature]</i>
37	M.Thiruppathi	AP/ECE	<i>[Signature]</i>




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VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
ELAYAMPALAYAM, TIRUCHENGODE

Staff Name List 17 - 18

S.NO	NAME OF THE STAFF	DESIGNATION	REMARKS
38	M.Hemalatha	AP/ECE	<i>M.Hemalatha</i>
39	R.S.Mathubala	AP/ECE	<i>R.S.Mathubala</i>
40	M.Balasubramani	AP/ECE	<i>M.Balasubramani</i>
41	M.Udhayavani	AP/ECE	
42	P.Sasikumar	AP/ECE	<i>P.Sasikumar</i>
43	V. Karthikeyan	AP/ECE	<i>V. Karthikeyan</i>
44	A.Mariyammal	AP/ECE	
45	S.Gnanamurugan	AP/ECE	<i>S.Gnanamurugan</i>
46	R.Prabhakar	AP/ECE	<i>R.Prabhakar</i>
47	D.L.Jayanthi	AP/ECE	<i>D.L.Jayanthi</i>
48	G.Ravikumar	AP/ECE	<i>G.Ravikumar</i>
49	M.Gunasekaran	AP/ECE	
50	S.Balakrishnan	AP/ECE	<i>S.Balakrishnan</i>
51	S.Kokila	AP/ECE	<i>S.Kokila</i>
52	M.Karthiga	AP/ECE	<i>M.Karthiga</i>
53	Dr.N.Mohana Priyaa	HOD/EEE	<i>Dr.N.Mohana Priyaa</i>
54	Dr.B.Gopinath	ASP/EEE	<i>Dr.B.Gopinath</i>
55	Dr.K.Thenmalar	AP/EEE	<i>Dr.K.Thenmalar</i>
56	M.Kalyana Sundaram	AP/EEE	<i>M.Kalyana Sundaram</i>
57	A.Dyaneswaran	AP/EEE	
58	T.Mayilsamy	AP/EEE	
59	S.Mutharasu	AP/EEE	
60	B.Goutham	AP/EEE	<i>B.Goutham</i>
61	A.Karthikeyani	AP/EEE	
62	A.Preethi	AP/EEE	
63	R.Manikandan	AP/EEE	<i>R.Manikandan</i>
64	S.Balamurugan	AP/EEE	<i>S.Balamurugan</i>
65	D.Sindhuja	AP/EEE	<i>D.Sindhuja</i>
66	S.Srinivasan	AP/EEE	<i>S.Srinivasan</i>
67	T.Sasikumar	AP/EEE	<i>T.Sasikumar</i>
68	D.Santhosh Kumar	AP/EEE	<i>D.Santhosh Kumar</i>
69	A.Johny Renoald	AP/EEE	<i>A.Johny Renoald</i>
70	R.Manikandan	AP/EEE	<i>R.Manikandan</i>
71	D.Pushpalatha	AP/EEE	<i>D.Pushpalatha</i>
72	S.Prabhadevi	AP/EEE	<i>S.Prabhadevi</i>
73	A.Sathiskumar	Placement Coor.	
74	Dr. S. Karunakaran	HOD/BT	
75	R.Arthe	AP/BT	



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

KLAYAMPALAYAM, TIRUCHENGODE

Staff Name List 17 - 18

S.NO	NAME OF THE STAFF	DESIGNATION	REMARKS
76	P.Jayavel Karthick	AP/BT	-----
77	N.Prabhu	AP/BT	-----
78	R.Umamaheswari	AP/BT	-----
79	M.Vijay Pradhap Singh	AP/BT	-----
80	A.Archana	AP/BT	-----
81	S.Jeevitha	AP/BT	S. Jeevitha
82	S.A.Kalpna	AP/BT	(9.10.2018)
83	R.Selvarajan	AP/English	R. Selvarajan
84	V.Satheshkumar	AP/English	-----
85	S.Kavipriya	AP/English	S. Kavipriya
86	A.Gnanaarivalagan	AP/English	-----
87	O.S.Somasundaram	AP/Maths	O. S. Somasundaram
88	S.Balasubramani	AP/Maths	S. Balasubramani
89	S.T.Jaya	AP/Maths	S. T. Jaya
90	S. Shanmuga Sundaram	AP/Maths	S. Shanmuga Sundaram
91	S.Sundaram	AP/Maths	S. Sundaram
92	R.Prabhavathi	AP/Maths	R. Prabhavathi
93	T.Sangumathy	AP/Maths	T. Sangumathy
94	J. Jayaseelan	HOD/Phy	-----
95	T. Aruna Christy	AP/Phy	T. Aruna Christy
96	R.P.Kavitha	AP/Phy	R. P. Kavitha
97	V.Pathmavathi S. LAVANYA	AP/Phy	LONG LEAVE
98	Dr.S.Mageswari	AP/Chem	Dr. S. Mageswari
99	M.S.Viswaksenan	AP/Chem	M. S. Viswaksenan
100	Dr.K.Balachandran	AP/Chem	-----
101	R.Sharmila	AP/Chem	R. Sharmila
102	Dr.P.Kannan	Prof/COE	Dr. P. Kannan
103	T.Satheeskumar	AP/Mech	T. Satheeskumar
104	K.Rajasekar	AP/Mech	K. Rajasekar
105	R.Mohanasundaram	AP/Mech	R. Mohanasundaram
106	Priya	PD	LONG ABSENT



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ELAYAMPALAYAM - 637 205, TIRUCHENGODE T.k, NAMAKKAL Dt., TAMIL NADU

Date: 15.02.2018

NBA Accreditation Process – Faculty Orientation Program on 16.02.2018 at VCEW

Attending Staff Name List

S.No	Name of the Staff	Designation	Signature
1.	Mr.K.Mohan	AP/Civil	—
2.	Ms.K.Keerthika	AP/IT	
3.	Ms.R.V.Sudha	AP/IT	
4.	Ms.K.Janaki	AP/ECE	
5.	Dr.G.Sudha	Prof/EEE	—
6.	Ms.S.Mangaiyarkarasi	AP/Maths	
7.	Mr.M.H.Samee	AP/English	
8.	Dr.R.Sudha	AP/Chemistry	
9.	Ms.K.Latha	AP/Chemistry	

10. Mr. S. Sasikarth

AP/ECE

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Tiruchengode Tk, Namakkal Dt, Tamil Nadu.



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Tamilnadu - 637 205.



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NBA Accreditation Process



Welcome address by Dr.S.Suresh Kumar, Principal/VCEW



The Guest Dr.N.Shanthi, talking about general introduction about





VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN



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Elayampalayam, Tiruchengode, Namakkal-637205

INTERNAL QUALITY ASSURANCE CELL & DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 16/02/2018

REPORT ON NBA ACCREDITATION PROCESS

The Faculty Orientation Programme on **NBA Accreditation Process** was organized on 16/02/2018. The program starts with Welcome address Dr. **S. SURESH KUMAR**, Principal, VCEW. Dr. **C.Suresh Gnana Dhas**, HOD/CSE, VCEW gave the introduction about the Resource Person.

The **Dr.N.Shanthi, Professor, Department of Computer Science and Engineering, Kongu Engineering College, Erode** handled the session about **NBA Accreditation, it need, procedure to apply, Process of Evaluation**. She also briefed about the Programme Educational Objectives, Programme Specific Outcome and Course Outcome. During the afternoon session she demonstrated how to calculate the course outcome attainment level through direct and indirect assessment methods.

The faculty members gave the feedback about the session. The Vote of thanks was given by Ms. **Dr.L.Malathi**, IQAC Coordinator. The Function ended with National Anthem.




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Phone : 04280 - 234259, FAX : 04280 - 234241. E-mail : vcenggw@yahoo.com



VIVEKANANDHA
EDUCATIONAL INSTITUTIONS

Prof. Dr. S. SURESH KUMAR, B.E., M.S., M.Tech., Ph.D.,
Principal

Ref.No.:991/VCEW/2018

Date : 16.02.2018

To

Dr.N.Shanthi,
Professor,
Department of Computer Science and Engineering,
Kongu Engineering College,
Erode.

Dear Madam,

Subject : **Letter on Appreciation** – Reg.

Thanking you very much for delivering an effective lecture in Faculty Orientation Programme on “**NBA Accreditation Process**” held at our institution on 16.02.2018 (Friday).

Your presentation gave a good exposure to our faculty members for Tier-I NBA accreditation process.

Looking forward for your future sessions.

Thanking you.


16/2/18
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