

#### **AAA** COLLEGE OF ENGINEERNG AND TECHNOLOGY

Kamarajar Educational Road, Amathur, Sivakasi – 626 005.

#### 2.2.1. Methodologies to assess the learning levels of the students

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## 1. Flow Chart for Assessing Learning Levels and Special Programmes for Advanced and Slow Learners

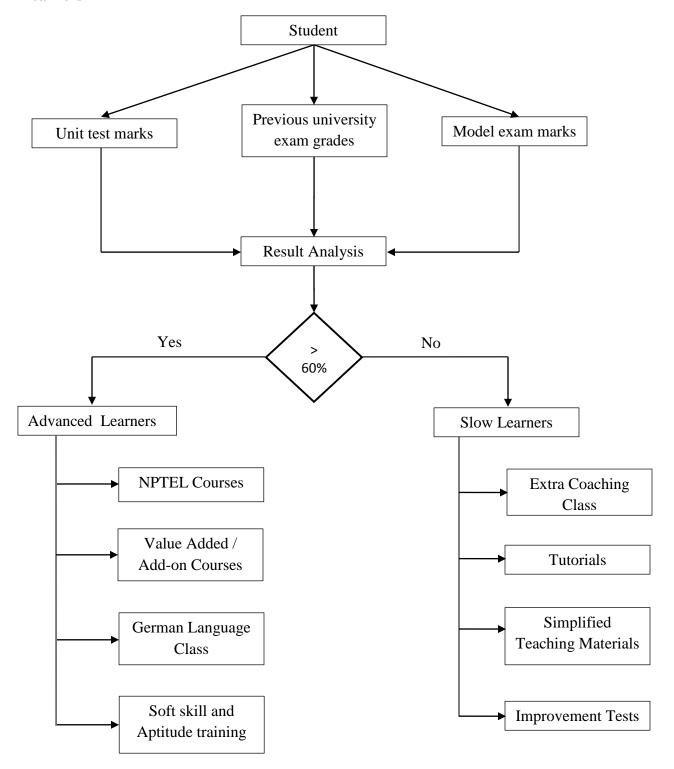


Figure 1: Flow Chart for Assessing Learning Levels and Special Programmes for Advanced and Slow Learners

#### 2. Sample Reports of Activities Conducted for Advanced Learners

a) Sample Certificates for NPTEL Course:





#### b) Sample Certificates for Value added course:



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Sivakasi - Virudhunagar, Kamarajar Educational Road, Amathur-626 005. An ISO 9001: 2015 Certified Institution

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Certificate of Participation

| This is to certify that Mr./M | MsK. ANNAPOORNI             | of                  |
|-------------------------------|-----------------------------|---------------------|
| SECOND YEAR                   |                             | Computer Science    |
| and Engineering has activel   | ly participated n the Value | e Added Course on   |
| "C PROGRAMMING" organiz       | zed by the Department of Co | omputer Science and |
| Engineering from 05-01-2015 t | to 09-01-2015.              |                     |
| COORDINATOR                   | C. No Martins<br>HOD/CSE    | PRINCIPAL           |



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#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Certificate of Participation

| ISM. KADMHEKAXH         | 01   |
|-------------------------|--|
|                         | Computer Science   |
| participated in the Va  | alue Added Course on                                       |
| ed by the Department of | Computer Science and                                       |
| o 10-07-2015.           |  |
| L. Zoffm<br>HOD/CSE     | PRINCIPAL  |
|                         | participated in the Valed by the Department of 10-07-2015. |



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#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Certificate of Participation

| This is to certify that Mr./M  | HEMINARA T. A            | of                  |
|--------------------------------|--------------------------|---------------------|
| SECOND YEAR                    | Cc                       | emputer Science and |
| Engineering has actively parti | cipated in the Value Add | ed Course on "C++   |
| PROGRAMMING" organized         | by the Department of Co  | mputer Science and  |
| Engineering from 16-02-2015 to | 20-02-2015.              |                     |
| COORDINATOR                    | L. Aoffin 15<br>HOD/CSE  | PRINCIPAL           |



## AAA COLLEGE OF ENGINEERING AND TECHNOLOGY

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website: www.aaaenggcoll.ac.in aaaengineeringcollege@gmail.com
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# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING CERTIFICATE OF PARTICIPATION

COORDINATOR

HOD / CSE





AAA COLLEGE OF ENGINEERING AND TECHNOLOGY

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#### **DEPARTMENT OF** COMPUTER SCIENCE AND ENGINEERING **CERTIFICATE OF PARTICIPATION**

| This is to certify that Mr./MsM: BALAMEEN                 | JAKSHI of                                  |
|---|--|
| THIRD YEAR COM  | puter Science and Engineering has actively |
| participated in the Value Added Course on "INTERNET O     | F THINGS" organized by the Department of   |
| Computer Science and Engineering from 20-12-2017 to 11-04 | 1-2018.                                    |
|   |  |
| A. Ryin 4/18<br>COORDINATOR                               | HOD / CSE                                  |
| PRINCIPAL   |  |
|   |  |



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# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING CERTIFICATE OF PARTICIPATION





## AAA COLLEGE OF ENGINEERING AND TECHNOLOGY (Approved by AICTE - Affiliated to Anna University, Chennal.)

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website: www.aaaenggcoll.ac.in aaaengineeringcollege@gmail.com
An ISO 9001 : 2015 Certified Institution

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING CERTIFICATE OF PARTICIPATION

| This is to certify that Mr./Ms R. SORNA L              | AXMI of                                |
|--|--|
| SECOND YEAR  | Computer Science and Engineering       |
| has actively participated in the Value Added Course of | on "JAVA PROGRAMMING" organized by the |
| Department of Computer Science and Engineering from 20 | )-12-2017 to 30-03-2018.               |
|  |  |
| A. Resizoslar<br>FCOORDINATOR                          | HOD / CSE                              |
| PRINCIPA   | AL                                     |
|  |  |

#### C. German Language Class:



AAA College of Engineering and Technology, Sivakasi.

AAA/ Academic /2018- '19 / 39

29-08-2018

#### CIRCULAR

German language classes will commence from 01-09-2018 (Saturday) onwards. All students registered for the course (Level A1) are asked to attend the inaugural session at 1.30p.m (01-09-2018) in the grand floor seminar hall New block. ground.

> PRINCIPAL (Dr. M. Sekar)

#### Copy to:

- HODs.(to arrange for reading in all their class rooms)
   Dr. R. Sivasangari Prof/EEE

#### **Inaugural ceremony of German Language Class**



German Language examination conducted on 28th January 2019



#### **Results of German Language Examination:**

#### **GERMAN LANGUAGE AT EXAMINATION**

The following students are cleared German Language A1 examination conducted by GOETHE INSTITUTE at AAACET campus on 28.01.2019.

- 1. J. Maria Sneha, IV Civil
- 2. Y. Karuppasamy, III EEE
- 3. M. Sangeetha, IV CSE

#### d. Circular for Aptitude and Soft Skill Training



#### AAA College of Engineering and Technology, Sivakasi.

AAA/ Academic /2018- '19 /121

27-12-2018

#### CIRCULAR

As a part of AAACET objective to place our students in core and reputed companies, the placement cell is organizing placement training classes as per the below schedule.

The students are requested to attend the placement training classes without fail from 28.12.2018 to 29.12.2018.

| S.No | Date                       | Branch                    | Training                                  | Eligibility           | Venue |
|------|----------------------------|---------------------------|---|-----------------------|-------|
| 1.   | 28/12/18<br>to<br>29/12/18 | CIVIL, CSE ECE, EEE, MECH | Aptitude<br>and Soft<br>skill<br>training | All clear<br>students | LH5   |

DR.R. SIVASANGARI

PRINCIPAL

#### List of Advanced Learners for CSE:



#### AAA COLLEGE OF ENGINEERING AND TECHNOLOGY

Kamarajar Educational Road, Amathur, Sivakasi - 626 005.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2018 - 2019

#### ADVANCED LEARNERS STUDENTS LIST

BATCH 2015-2019

As a part of AAACET objective to place our students in core and reputed companies, the placement cell is organizing placement training classes on 28.12.2018 and 29.12.2018. The Following advanced learners students are asked to attend the training

| S.No | Reg. No.     | Name of the Student |
|------|--------------|---------------------|
| 1.   | 953715104002 | AkshayaDharshini S  |
| 2.   | 953715104005 | Balameenakshi M     |
| 3.   | 953715104007 | Ezhilarasi M        |
| 4.   | 953715104008 | Giridharan S        |
| 5.   | 953715104009 | Hareesh Kumar M     |
| 6.   | 953715104011 | Jenishganamuthu P   |
| 7.   | 953715104015 | KarthickSankar V    |
| 8.   | 953715104018 | Kavitha R           |
| 9.   | 953715104023 | Nithya R            |
| 10.  | 953715104024 | Pandiselvi V        |
| 11.  | 953715104025 | Priyanka K          |
| 12.  | 953715104028 | Ramaprabha J        |
| 13.  | 953715104029 | Ramya A             |
| 14.  | 953715104032 | Samrat Kishore B    |
| 15.  | 953715104033 | Sangeetha M         |

HoD-CSE

**Refresher Course Time Table for Advanced Learners:** 



## AAA COLLEGE OF ENGINEERING AND TECHNOLOGY

Kamarajar Educational Road, Amathur, Sivakasi - 626 005.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

icademic Year: 2018 - 2019 ODD

Batch : 2015 - 2019

Class: IV CSE

#### Refresher Courses - Time Table

Date: 26.7.2018 To 10.8.2018

| Faculty Name : 1. Mr | gramming<br>s.K.Indhumathi<br>s.P.S.Uma AP/0 | AP/CSE |                 |   |
|----------------------|--|--------|-----------------|---|
| Date / Period        | 5  | 6      | 7               | 8 |
| 26.07.2018           | Mrs.P.S.Uma                                  |        |                 |   |
| 27.07.2018           | Mrs. K.Indhumathi                            |        |                 |   |
| 28.07.2018           | Mrs.P.S.Uma                                  |        | Mrs.K.Indhumath |   |
| 30.07.2018           | Mrs.K.Indhumathi                             |        | Mrs.P.S.Uma     |   |

| Faculty Name : 1.1 | Programming<br>Mr.C.Raj Kanna<br>Irs.R.M.Rajeshv |            |           |            |
|--------------------|--|------------|-----------|------------|
| Date / Period      | - 5  | 6          | 7         | 8          |
| 31.07.2018         | Mr.C.Raj   | Kannan     | Mrs.R.M.R | tajeshwari |
| 01.08.2018         | Mrs.R.M.F  | Rajeshwari | Mr.C.Raj  | Kannan     |

| Passiles Name 1 | AVA Programming<br>Mr.R.Prabhu AP/CSE<br>Mr.P.Elamparithi AP/C | SE          |             |                     |
|-----------------|--|-------------|-------------|---------------------|
| Date / Period   | 5  | 6           | 7           | 8                   |
|                 | Mr.P.Elamparithi   | Mr.R.Prabhu |             | bus                 |
| 02.08.2018      |  |             |             | Mr.R.Prabhu         |
| 03.08.2018      | Mr.P.I   | Elamparithi |             | Dest. Pet. Petrolis |
| 0350012010      | Mr.P.Elamporithi   |             | Mr.R.Prabhu |                     |
| 06.08.2018      |  |             |             |                     |
|                 | Mr.R. Probl  | Mr.R.Prabhu |             | Elamparithi         |
| 07.08.2018      | DAST IN CO.  |             |             |                     |

| Course Name : HTML5 Faculty Name : Ms.A.Raji, AP/CSE |            | 7 | 8  |
|--|------------|---|----|
| Date / Period 5                                      | Ms.A.Raji  |   |    |
| 09.08.2018   | Ms.A.Raji  |   |    |
| 10.08,2018   | & Director |   | K. |

Placement Coordinator

HoD/CSE PRINTIPAL



#### AAA COLLEGE OF ENGINEERING AND TECHNOLOGY

Kamarajar Educational Road, Amathur, Sivakasi - 626 005.

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2018 - 2019

#### ADVANCED LEARNERS STUDENTS LIST

BATCH 2015-2019

As a part of AAACET objective to place our students in core and reputed companies, the placement cell is organizing placement training classes from 26.7.2018 and 10.08.2018. The Following advanced learners students are asked to attend the refresher courses and get the beneficial.

| S.No | Reg: No.     | Name of the Student |
|------|--------------|---------------------|
| 1.   | 953715104002 | AkshayaDharshini S  |
| 2.   | 953715104005 | Balameenakshi M     |
| 3.   | 953715104007 | Ezhilarasi M        |
| 4.   | 953715104008 | Giridharan S        |
| 5.   | 953715104009 | Harcesh Kumar M     |
| 6.   | 953715104011 | Jenishganamuthu P   |
| 7.   | 953715104015 | KarthickSankar V    |
| 8.   | 953715104018 | Kavitha R           |
| 9.   | 953715104023 | Nithya R            |
| 10.  | 953715104024 | Pandiselvi V        |
| 11.  | 953715104025 | Priyanka K          |
| 12.  | 953715104028 | Ramaprabba J        |
| 13.  | 953715104029 | Ramya A             |
| 14.  | 953715104032 | Samrat Kishore B    |
| 15.  | 953715104033 | Sangeetha M         |

A. P.Z.

#### List of Students placed in various companies



### **AAA** COLLEGE OF ENGINEERNG AND TECHNOLOGY

Kamarajar Educational Road, Amathur, Sivakasi – 626 005.

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### **ACADEMIC YEAR 2018 - 2019**

#### PLACED STUDENTS LIST

#### **BATCH 2015-2019**

| S.No | Reg. No.     | Name of the Student | Name of the Company<br>Placed                |
|------|--------------|---------------------|--|
| 1.   | 953715104002 | AkshayaDharshini S  | Tridant Software Solution                    |
| 2.   | 953715104007 | Ezhilarasi M        | Tridant Software<br>Solution,TechMahendra    |
| 3.   | 953715104008 | Giridharan S        | Armentum                                     |
| 4.   | 953715104009 | Hareesh Kumar M     | Tridant Software Solution                    |
| 5.   | 953715104010 | Hema M              | Tech Mahendra , Tridant<br>Software Solution |
| 6.   | 953715104011 | Jenishganamuthu P   | Tridant Software Solution                    |
| 7.   | 953715104018 | Kavitha R           | Tridant Software Solution                    |
| 8.   | 953715104020 | Nandhini S          | Karvy DigiKonnect                            |
| 9.   | 953715104023 | Nithya R            | Infosys                                      |
| 10.  | 953715104024 | Pandiselvi V        | Infosys                                      |
| 11.  | 953715104025 | Priyanka K          | Tridant Software Solution                    |
| 12.  | 953715104028 | Ramaprabha J        | Tridant Software Solution                    |
| 13.  | 953715104029 | Ramya A             | Infosys                                      |
| 14.  | 953715104031 | Reshmika T S        | Infosys,Amplus                               |
| 15.  | 953715104033 | Sangeetha M         | Armentum                                     |

#### Sample Offer letter of the placed students are given below:



Date: 11th March 2019

Dear Ms. Harshita,

Training & Placement Officer,

AAACET, Sivakasi.

With reference to our campus interview dated 11<sup>th</sup> March 2019 at your College **AAACET**, **Sivakasi**, the management is pleased to inform you that 16 students are selected Triant Software Solutions Pvt Ltd as Trainee. Please find the list of 16 selected students from your esteemed institute. Their names are as below:

| Position          | Name                       | Package |
|-------------------|----------------------------|---------|
| DECICING          | V. SURYA PRABHA (CIVIL)    | 2L      |
| DESIGING          | S.L DIVYA (CIVIL)          | 2L      |
| DESIGING          | MARIA SNESH JOSEPH (CIVIL) | 2L      |
| CORE TESTING      | S. PONGURU                 | 1.8L    |
| WEB DEVELOPER     | M. HAREESH KUMAR (CSE)     | 2L      |
| HTML, CSS TRAINEE | RAJA KUMAR D.V.S (CSE)     | 1.8L    |
| C++ DEVELOPER     | S. AKSHAYA DHARSHINI (CSE) | 2.2L    |
| PHP DEVELOPER     | M. EZHILARASI (CSE)        | 1.8L    |
| DEVELOPER         | P. JENISH GNANAMUTHU (CSE) | 2.4L    |
| SOFTWARE TESTER   | R. KAVITHA (CSE)           | 1.8L    |
| WEB DESIGNING     | J. RAMAPRABHA              | 1.8L    |
| SOFTWARE TESTING  | K. PRIYANKĄ                | 1.8L    |
| SOFTWARE TESTING  | M. HEMA                    | 1.8L    |
| PYTHON            | A.ANTONY XAVIER            | 1.8L    |
| CORE TESTING      | N. ANUJA                   | 1.8L    |
| SITE ENGINEER     | R. KARTHIKEYAN             | . 1.8L  |

Thanks for a wonderful coordination & hospitality.

We congrats all the selected students and wish a long term association with you.

Thanks and Regards

Sunil Reddy Allu



Dear M. Hema

#### Expression of Interest

Tech Mahindra Limited

SBC Tech Park, No. 90/81. MTH Road, Industrial Estate, Ambattur, Chennai - 600 058, Tamilnadu, India.

Tel: +91 44 6662 4000

techmahindra.com connect@techmahindra.com

Registered Office: Gateway Building, Apollo Bunder

We are pleased to convey through this Expression of Interest letter that you are being considered 9012009/161986PLC041370

Customer Support Associate provided with 1711 in the control of Customer Support Associate provided you fulfill other requirements. This letter is intended only as an overview of the potential offer from Tech Mahindra Limited. The detailed terms and conditions of employment will be contained in an offer letter, which may be issued by the company and may contain additional provisions to those herein

## Proposed Date of Joining: June 2019 onwards

Place: Chennai

We request you to bring the following documents at the time of your joining, as they are mandatory for our records and necessary for the completion of joiningformalities.

Copy of Class 10th Certificate & Class 12th Certificate & Degree / Graduation certificates.

Copy of Residence proof

Copy of Identity Proof.(Driving License or Passport or Voter card)

Original copy of LAST PAY SLIP received (If applicable).

Copy of RELIEVING LETTER / APPOINTMENT LETTER from previous employer(s) (If applicable).

Passport size photographs-10 nos. & Post Card Size Photographs -2 nos.

This letter remains valid for the period of 7 days from the date of issue. After that another round of interview will be conducted at our company premises. There after the company would issue you an offer letter with details of all service terms and conditions and salary annexure along with suitable date of joining. If any information furnished by you in your application is found to be incorrect or false or if you have suppressed material information regarding your qualification, experience, identity etc, the company may withdraw this letter without any notice.

Please note this letter is not an offer or a legally binding contract of employment. An offer for employment shall be made to you at the sole discretion of the company and there is no obligation on the company to do so. An employee-employer relationship between you and company shall be established only upon the company's issuance and your acceptance of a legally binding agreement of employment.

Kindly sign and return a copy of this letter as a token of your acceptance of this expression of interest.

Candidate Signatur

e Management Group Mahindra Limited



17.09.2018

HRD/13/TR/31-45

Ms. Sangeetha M

Dear Sangeetha M,

This letter shall confirm our conditional offer of employment to you as a **Junior Web Engineer** subject to the following terms and conditions:

1. Evidence and confirmation of educational credentials

 Confirmation of clearing your all module of training given by Armentum during your internship period.

Assuming favorable results are received, and you choose to accept our offer, we will extend a final offer of employment to you in writing. Please feel free to contact me in the interim should you have any questions.

Please be aware that this letter does not constitute a guarantee or contract of employment. Accordingly, you or we may terminate the selection process at any time for any reason, upon written notice.

Your CTC after the training period will be INR 2.2lac per annum. Your Annexure details will be shared once your training period is completed.

Your employment will be governed by the rules, regulations and policies of the Company. The terms of this offer letter shall remain confidential and are not to be disclosed to any third party. We wish you all the best for the future endeavors.

Yours sincerely,

Richa Sareen

Richa Sareen HR Manager Armentum



17.09.2018

HRD/13/TR/29-45

Mr. Girldharan S

Dear Giridharan S,

This letter shall confirm our conditional offer of employment to you as a Junior Web Engineer subject to the following terms and conditions:

- 1. Evidence and confirmation of educational credentials
- 2. Confirmation of clearing your all module of training given by Armentum during your internship period.

Assuming favorable results are received, and you choose to accept our offer, we will extend a final offer of employment to you in writing. Please feel free to contact me in the interim should you have any questions.

Please be aware that this letter does not constitute a guarantee or contract of employment. Accordingly, you or we may terminate the selection process at any time for any reason, upon written notice.

Your CTC after the training period will be INR 2.4lac per annum. Your Package breakup details will be shared once your training period is completed.

Your employment will be governed by the rules, regulations and policies of the Company. The terms of this offer letter shall remain confidential and are not to be disclosed to any third party. We wish you all the best for the future endeavors.

Yours sincerely.

Richa Sareen

Richa Sareen HR Manager Armentum

lease find the below list of candidates.

- Vimala. R
- Brindha. R
- Raja Ponni. M
- Dinesh Kumar. C
- 5. Swathi. B.V
- 6. Sangeetha. M
- 7. Nithya. R 8. Reshmika. T.S
- Ramya. A
- Or Bavithra Devi. K
- Nandhini. S
- 12. Saranya. E
- Janavi. V
- Deepak. S
- 15. Krithik. S 16. Vinaya. M
  - For Documentation, they are supposed to carry their Academic Marks Card (10th, 12th, Degree/ B.E) Marks Card (10th, 12, Degree/ B.E)

    They have to carry their original ID proof.

  - 4 passport size photographs.
  - Salary Slab: 2.7L 3.8L.
  - Projects and Designations are assigned only at the time documentation.

Regards,

Rooja Rooja Fream Leader – Operations,

Infosys.



9th Sept; 2018

Dear Mr. /Ms. TS RESHMIKA

Congratulations! It is my pleasure to extend the following of employment to you on behalf of Amplus HR Solutions Pvt Ltd, further to the interview and discussions you have had with us. You are expected to join duty approximately in the month \$60,2019, which will be intimated to you shortly.

You are appointed to the position of "**Graduate - Trainee**". As Graduate Trainee, your starting monthly remuneration will be Rs 1, 80,000 /- C.T.C per annum (One Lakhs Eighty thousand Rupees Only). You will be on a probation period of six month.

After successful completion of the probation and review thereof, you will be entitled to other allowances and benefits whatever a performance reviews will be done to associate the suitability.

Offer stands cancelled in case of any described information or if you fail to report to mated to you over an e-mail. We will have to assume that you have not accepted this the given date.

You will need to submit you entire qualification docume, on the joining date.

We look forward to an enduring relationship with you.

25



**Expression of Interest** 

Dear EZHILARASI-M

Tech Mahindra Limited SBC Tech Park, No. 90/B1, MTH Road, Industrial Estate, Ambattur, Chennai - 600 058, Tamilnadu, India.

Tel: +91 44 6662 4000

techmahindra.com connect@techmahindra.com

Registered Office: Gateway Building, Apollo Bunder Mumbai 400 001, India.

We are pleased to convey through this Expression of Interest letter that you are being considered and the Month of the Contract of the Contrac Customer Support Associate provided you fulfill other requirements. This letter is intended only as an overview of the potential offer from Tech Mahindra Limited. The detailed terms and conditions of employment will be contained in an offer letter, which may be issued by the company and may contain additional provisions to those herein

Proposed Date of Joining: June 2019 onwards

Place: Chennai

We request you to bring the following documents at the time of your joining, as they are mandatory for our records and necessary for the completion of joiningformalities.

Copy of Class 10th Certificate & Class 12th Certificate & Degree / Graduation certificates.

Copy of Residence proof

Copy of Identity Proof (Driving License or Passport or Voter card)

Original copy of LAST PAY SLIP received (If applicable).

Copy of RELIEVING LETTER / APPOINTMENT LETTER from previous employer(s) (If applicable).

Passport size photographs-10 nos. & Post Card Size Photographs -2 nos.

This letter remains valid for the period of 7 days from the date of issue. After that another round of interview will be conducted at our company premises. There after the company would issue you an offer letter with details of all service terms and conditions and salary annexure along with suitable date of joining. If any information furnished by you in your application is found to be incorrect or false or if you have suppressed material information regarding your qualification, experience, identity etc, the company may withdraw this letter without any notice.

Please note this letter is not an offer or a legally binding contract of employment. An offer for employment shall be made to you at the sole discretion of the company and there is no obligation on the company to do so. An employee-employer relationship between you and company shall be established only upon the company's issuance and your acceptance of a legally binding agreement of employment.

Kindly sign and return a copy of this letter as a token of your acceptance of this expression of interest.

Candidate Signatu

Management Group

Mahindra Limited

26

KARYYYIII

## Karvy Digikonnect Limited

Date:22/12/2018

Dear Nandhini S

## Subject: Letter of Intent

We are pleased to inform you that you have been shortlisted for the designation of a Customer Support completion of Exams & start date will be in the Month of July 8<sup>th</sup>

The CTC offered to you will be Vary from 1.8 LPA to 2.2 LPA.

Xerox copies of the following documents shall be required for the completion of your joining formalities With us:

- Educational Proof: SSLC, HSC and Graduation / Diploma duty attested by a Gazette Officer.
- Date of Birth Proof: SSLC Mark sheet / PAN Card / School Leaving Certificate / Birth Certificate / Passport.
- Experience Proof: Acknowledged Resignation Letter from last employer / Relieving Letter / Experience Letter.
- Photo Identity Proof: Copy of Passport / PAN Card / Voter ID / Driving License / Passport /
  Aadhar card.
- Residence Proof: Copy of Passport / Voter ID / Driving License / Utility Bills / Ration Card / Rent Agreement / Lease Agreement.
- Photographs: 5 Passport Size.
- In case if you failed to join us on the day which has been offered, your offer remains cancelled.
   Your work location will be discussed and approved after completion of your final exams with no history of backlogs
- In case of any uninformed leave your services will be terminated from the organization.

We look forward to a rewarding and long term association with Karvy DigiKonnect Limited.

Address: # Vasant's Business Park, 3rd Floor, 44/2A, Bellary Road, NH-7, Hebbal, Bangalore - 560092

Contact HR Team @ 7411012542

For, Karvy DigiKonnect Limited.

**Authorized Signatory** 

Accepted:

- 3) Sample Reports of Measures taken for Slow Learners
- a. Sample Improvement test and Coaching class schedule for Slow Learners:



### AAA COLLEGE OF ENGINEERING & TECHNOLOGY Amathur, Sivakasi - 626 005.

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IMPROVEMENT TEST I - COACHING & TEST SCHEDULE

CLASS: II YEAR CSE

BATCH: 2017 - 2021

SEMESTER: III

| Course Code &<br>Name                               | Name of the faculty<br>with Designation &<br>Dept. | Coaching Date,<br>Day & Time                 | Date, Day&<br>Time of<br>Exam             | Register Numbers of students   | Total No<br>of<br>Students |
|---|--|--|---|--|----------------------------|
| MA8351 - Discrete<br>Mathematics                    | Mr.M.Thirupathi,<br>AP/Maths                       | 16.8.2018,<br>Thursday &<br>4.10 – 5 PM      | 20.08.2018,<br>Monday&<br>4.30 – 6 PM     | 953717104006, 4008, 4011, 4013,<br>4014, 4024, 4027, 4032, 4034,<br>4041, 4042, 4045, 4046   | 13                         |
| CS8351 - Digital<br>Principles and<br>System Design | Mr.V.MeenakshiSund<br>ram, AP/ECE                  | 21.8.2018,<br>Tuesday &3.20 –<br>4.20 PM     | 21.08.2018,<br>Tuesday &<br>4.30 – 6 PM   | 953717104002, 4005, 4024, 4027,<br>4032, 4046  | 6                          |
| CS8391 - Data<br>Structures                         | Mrs.P.S.Uma,<br>AP/CSE                             | 22.08.2018,<br>Wednesday &<br>3.20 – 4.20 PM | 22.08.2018,<br>Wednesday &<br>4.30 - 6 PM | 953717104001, 4005, 4006, 4008,<br>4013, 4016, 4019, 4024, 4026,<br>4034, 4035, 4037, 4046   | 13                         |
| CS8392 - Object<br>Oriented<br>Programming          | Dr.A.Shenbagarajan,<br>AP/CSE                      | 24.08.2018<br>Friday &<br>3.20 - 4.20 PM     | 24.08.2018<br>Friday &<br>4.30 - 6 PM     | 953717104001,4002, 4006, 4008,<br>4010, 4011, 4013,4016, 4019,<br>4024, 4026, 4027, 4034, 4038,<br>4046  | 15                         |
| EC8395 –<br>Communication<br>Engineering            | Mrs.M.Gayathri,<br>AP/ECE                          | 24.8.2018,<br>Friday &1.30 –<br>3.10 PM      | 25.08.2018,<br>Saturday&<br>9 - 10.30 am  | 953717104001, 4002, 4005,<br>4006,4008, 4010, 4011, 4013,<br>4017, 4018, 4019, 4020, 4024,<br>4026, 4027, 4029, 4032, 4034,<br>4035, 4036, 4038, 4039, 4040,<br>4042, 4045, 4046 | 26                         |
| Class A   |  |  |   | Head of the Department   |                            |



#### AAA COLLEGE OF ENGINEERING & TECHNOLOGY

Amathur, Siyakasi - 626 005.

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IMPROVEMENT TEST I - COACHING & TEST SCHEDULE

CLASS: IV YEAR CSE

BATCH: 2015 - 2019

SEMESTER: VII

| Child . It i have c                           | Differ 2010 2019 Dambeld . Vii               |  |   |  |                            |
|---|--|--|---|--|----------------------------|
| Course Code & Name                            | Name of the faculty with Designation & Dept. | Coaching<br>Date, Day&<br>Time               | Date,<br>Day&Timeof<br>Exam                     | Register Numbers of students   | Total<br>No. of<br>Student |
| CS6701 - Cryptography<br>And Network Security | Mrs.P.S.Uma,<br>AP/CSE                       | 16.8.2018,<br>Thursday &<br>4.10 – 5 PM      | 20.08.2018,<br>Monday&<br>4.30 - 6 PM           | 953715104002, 4014,4017,<br>4018, 4030, 4031, 4034,<br>4701, 4702                            | 09                         |
| CS6702 - Graph Theory<br>And Applications     | Dr. R. Senthil<br>Kumar, AP/Maths            | 21.8.2018,<br>Tuesday &<br>3.20 - 4.20 PM    | 21.08.2018,<br>Tuesday &<br>4.30 - 6 PM         | 953715104016, 4034, 4702   | 03                         |
| CS6703 - Grid And<br>Cloud Computing          | Mr.R.Prabhu,<br>AP/CSE                       | 22.08.2018,<br>Wednesday &<br>3.20 - 4.20 PM | 22.08.2018,<br>Wednesday &<br>4.30 - 6 PM       | 953715104002, 4034, 4702   | 03                         |
| CS6704 - Resource<br>Management<br>Techniques | Mrs.K.Indumathi,<br>AP/CSE                   | 24.08.2018<br>Friday &<br>3.20 - 4.20 PM     | 24.08.2018<br>Friday &<br>4.30 – 6 PM           | 953715104009,4011, 4013,<br>4014, 4016, 4034, 4701,<br>4702                                  | 08                         |
| CS6004 - Cyber<br>Forensics                   | Mr.P.Elamparithi,<br>AP/CSE                  | 24.8.2018,<br>Friday &<br>1.30 – 2.20 PM     | 25.08.2018,<br>Saturday&<br>9 - 10.30 am        | 953715104002, 4008, 4011,<br>4014, 4018, 4026, 4027,<br>4030,4034, 4701, 4702                | 11                         |
| CS6007 - Information<br>Retrieval             | Mr.C.Rajkannan,<br>AP/CSE                    | 24.8.2018,<br>Friday &2.20 –<br>3.10 PM      | 25.08.2018,<br>Saturday&<br>12 NOON- 1.30<br>PM | 953715104002, 4003, 4007,<br>4008, 4014, 4016, 4017,<br>4020, 4027, 4030,4034,<br>4701, 4702 | 13                         |
| R. F. Ametly<br>Class Advisor                 | -  |  |   | Head of the Department   |                            |

#### **Sample reports for Corrective Action for Slow Learners:**



### AAA COLLEGE OF ENGINEERING AND TECHNOLOGY

Kamarajar Educational Road, Amathur, Sivakasi – 626 005. DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2018 - 2019 ODD SEMESTER

#### CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2016-2020

Class/Semester : II CSE /III

Course Instructor : Mr.V.Meenakshi Sundaram

Date: 21/08/2018

Course Code/Name: CS8351 - Digital Principals and System Design

**Topic Covered** 

: Boolean Functions

| S. No. | Reg. No.     | Name of the Student | Attendance |
|--------|--------------|---------------------|------------|
| 1.     | 953717104002 | ANAND P             | /          |
| 2.     | 953717104005 | ASHOK M             | 1          |
| 3.     | 953717104014 | ISHWARYA S          | /          |
| 4.     | 953717104024 | MANOJNATHAN A       | AB         |
| 5.     | 953717104027 | PARTHIBAN M         |            |
| 6.     | 953717104032 | PRINCE SHALEM A     | /          |
| 7.     | 953717104046 | VISWA M             | /          |

Course Instructor



## AAA COLLEGE OF ENGINEERNG AND TECHNOLOGY

Kamarajar Educational Road, Amathur, Sivakasi - 626 005. DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2018 - 2019 ODD SEMESTER

#### CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2016-2020

Class/Semester : II CSE /III

Course Instructor: Mr.M.Thirupathi

Date: 16/08/2018

Course Code/Name: MA8351 - Discrete Mathematics

**Topic Covered** 

: Rules of Inference

| S. No. | Reg. No.     | Name of the Student           | Attendance |
|--------|--------------|-------------------------------|------------|
| 1.     | 953717104006 | ASWINI A                      | /          |
| 2.     | 953717104008 | BOTHAHAR ANTHONY<br>JOHNSON S |            |
| 3.     | 953717104011 | GOKUL D                       | a          |
| 4.     | 953717104013 | GOWTHAM R                     | 1          |
| 5.     | 953717104014 | ISHWARYA S                    | 1          |
| 6.     | 953717104024 | MANOJNATHAN A                 | /          |
| 7.     | 953717104027 | PARTHIBAN M                   | /          |
| 8.     | 953717104032 | PRINCE SHALEM A               | a          |
| 9.     | 953717104034 | SARANIKA A                    | 1          |
| 10.    | 953717104041 | SUDHA A                       | ^          |
| 11.    | 953717104042 | SWATHIKA K                    | 1          |
| 12.    | 953717104045 | VISHNU K                      |            |
| 13.    | 953717104046 | VISWA M                       | 1          |



#### AAA COLLEGE OF ENGINEERNG AND TECHNOLOGY Kamarajar Educational Road, Amathur, Sivakasi - 626 005. DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2018 - 2019 ODD SEMESTER

## CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2016-2020

Class/Semester : II CSE /III

Course Instructor : Dr.A.Shenbagarajan

Date: 24/08/2018

Course Code/Name : CS8392 - Object Oriented Programming

**Topic Covered** 

: Fundamental Programming Structures in Java

| S. No. | Reg. No.     | Name of the Student           | Attendance |
|--------|--------------|-------------------------------|------------|
| 1.     | 953717104001 | AJITHKUMAR V                  | ,          |
| 2.     | 953717104002 | ANAND P                       | /          |
| 3.     | 953717104006 | ASWINI A                      | ,          |
| 4.     | 953717104008 | BOTHAHAR ANTHONY<br>JOHNSON S | 1          |
| 5.     | 953717104010 | DIVYA S                       | 1          |
| 6.     | 953717104011 | GOKUL D                       |            |
| 7.     | 953717104013 | GOWTHAM R                     | 1          |
| 8.     | 953717104016 | JANANI N                      | /          |
| 9.     | 953717104019 | JUDAH SHEEGAN RAJ P           | 1          |
| 10.    | 953717104024 | MANOJNATHAN A                 | 1          |
| 11.    | 953717104026 | PANDIYA RAJ R V               | 1          |
| 12.    | 953717104027 | PARTHIBAN M                   | a          |
| 13.    | 953717104034 | SARANIKA A                    | 1          |
| 14.    | 953717104038 | SIVASAKTHI C                  | /          |
| 15.    | 953717104046 | VISWA M                       | 1          |



#### AAA COLLEGE OF ENGINEERNG AND TECHNOLOGY Kamarajar Educational Road, Amathur, Sivakasi - 626 005. DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2018 - 2019 ODD SEMESTER

## CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2016-2020

Class/Semester: II -CSE /III

Course Instructor : Mrs.P.S.Uma

Date: 22/08/2018

Course Code/Name : CS8391 - Data Structures **Topic Covered** 

: Singly Linked Lists

S. No. Reg. No. Name of the Student Attendance 953717104001 AJITHKUMAR V 2. 953717104005 ASHOK M 953717104006 3. ASWINI A BOTHAHAR ANTHONY 4. 953717104008 JOHNSON S 953717104013 GOWTHAM R 953717104019 6. JUDAH SHEEGAN RAJ P a 953717104024 MANOJNATHAN A 953717104026 PANDIYA RAJ R V 953717104034 SARANIKA A 10. 953717104035 SEEYANA NACHIAR G a 11. 953717104037 SHRISUMUGI S 12. 953717104046 VISWA M



# AAA COLLEGE OF ENGINEERNG AND TECHNOLOGY Kamarajar Educational Road, Amathur, Sivakasi - 626 005. DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2018 - 2019 ODD SEMESTER

### CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2016-2020

Class/Semester: II CSE /III

Course Instructor : Mrs.M.Gayathri

Date: 24/08/2018

Course Code/Name: EC8395 - Communication Engineering

Topic Covered : Modulators And Demodulators

| S. No. | Reg. No.     | Name of the Student           | Attendance |
|--------|--------------|-------------------------------|------------|
| 1.     | 953717104001 | AJITHKUMAR V                  | ,          |
| 2.     | 953717104002 | ANAND P                       | 7          |
| 3.     | 953717104005 | ASHOK M                       | 1          |
| 4.     | 953717104006 | ASWINI A                      | ,          |
| 5.     | 953717104008 | BOTHAHAR ANTHONY<br>JOHNSON S | 1          |
| 6.     | 953717104010 | DIVYA S                       | 1          |
| 7.     | 953717104011 | GOKUL D                       | a          |
| 8.     | 953717104013 | GOWTHAM R                     |            |
| 9.     | 953717104014 | ISHWARYA S                    |            |
| 10.    | 953717104017 | JEYA ASWIN M                  | 1          |
| 11.    | 953717104018 | JOHN MARTIN X                 | 1          |
| 12.    | 953717104019 | JUDAH SHEEGAN RAJ P           | ,          |
| 13.    | 953717104020 | KALAIVANI V                   | 1          |
| 14.    | 953717104024 | MANOJNATHAN A                 | 1          |
| 15.    | 953717104026 | PANDIYA RAJ R V               | ^          |
| 16.    | 953717104027 | PARTHIBAN M                   | 1          |
| 17.    | 953717104029 | PONRAJKUMAR B                 | a          |
| 18.    | 953717104032 | PRINCE SHALEM A               | 1          |
| 19.    | 953717104034 | SARANIKA A                    | 1          |
| 20.    | 953717104035 | SEEYANA NACHIAR G             | ,          |
| 21.    | 953717104036 | SHALINI S S                   | ,          |
| 22.    | 953717104037 | SHRISUMUGI S                  | ,          |
| 23.    | 953717104038 | SIVASAKTHI C                  | 1          |
| 24.    | 953717104039 | SIVA SANKARI J                | 1          |
| 25.    | 953717104040 | SUBIKSHA K                    | 1          |
| 26.    | 953717104041 | SUDHA A                       | ,          |
| 27.    | 953717104042 | SWATHIKA K                    | ,          |
| 28.    | 953717104043 | VIJAYALAKSHMI P               | 1          |
|        | 953717104045 | VISHNU K                      |            |
| 30.    | 953717104046 | VISWA M                       |            |

Lyayathacielis.
Course Instructor

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#### AAA COLLEGE OF ENGINEERNG AND TECHNOLOGY Kamarajar Educational Road,

Amathur, Sivakasi

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Academic Year 2018 - 19 ODD)

#### CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2015-19

Class / Semester

: IV CSE / VII

Course Instructor

: Mrs. P.S.Uma, AP/CSE

Date

: 16/08/2018

**Topic Covered** 

Course Code/ Name: CS6701 - Cryptography and Network Security : Classical Encryption Techniques

#### **COACHING CLASS -1 ATTENDENCE**

| S.No | Reg.No       | Name of the Student | Attendence |
|------|--------------|---------------------|------------|
| 1.   | 953715104002 | AkshayaDharshini S  |            |
| 2.   | 953715104014 | Karpagavalli A      |            |
| 3.   | 953715104017 | Karthikeyan S       | a          |
| 4.   | 953715104018 | Kavitha R           | V          |
| 5.   | 953715104030 | Ranjith Kumar P     | V          |
| 6.   | 953715104031 | Reshmika T S        | /          |
| 7.   | 953715104034 | Thiagaselvan S      |            |
| 8.   | 953715104701 | Hemanath            | a          |
| 9.   | 953715104702 | Saravanan           | a          |



#### AAA COLLEGE OF ENGINEERNG AND TECHNOLOGY Kamarajar Educational Road, Amathur, Sivakasi

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Academic Year 2018 - 19 ODD)

#### CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2015-19

Class / Semester

: IV CSE / VII

Course Instructor

: Mrs. K. Indumathi, AP/CSE

Date

: 24/08/2018

Course Code/ Name: CS6704 - Resource Management Techniques **Topic Covered** 

: Simplex and Graphical Method

#### **COACHING CLASS -1 ATTENDENCE**

| S.No | Reg.No       | Name of the Student | Attendence |
|------|--------------|---------------------|------------|
| 1.   | 953715104009 | Hareesh Kumar M     | /          |
| 2.   | 953715104011 | Jenishganamuthu P   | 1          |
| 3.   | 953715104013 | Kaleeswari K        | 1          |
| 4.   | 953715104014 | Karpagavalli A      | ^          |
| 5.   | 953715104016 | Karthika A          | ^          |
| 6.   | 953715104034 | Thiagaselvan S      | 1          |
| 7.   | 953715104701 | Hemanath            | a          |
| 8.   | 953715104702 | Saravanan           | /          |



#### AAA COLLEGE OF ENGINEERNG AND TECHNOLOGY Kamarajar Educational Road, Amathur, Sivakasi

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Academic Year 2018 - 19 ODD Semester)

CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2015-19

Class / Semester

: IV CSE / VII

Course Instructor : Dr. R. Senthil Kumar, AP/Maths Date

: 21/08/2018

Course Code/ Name: CS6702 - Graph Theory and it's Application

**Topic Covered** 

: Tree - Properties of Tree

#### **COACHING CLASS -1 ATTENDENCE**

| S.No | Reg.No       | Name of the Student | Attendence |
|------|--------------|---------------------|------------|
| 1.   | 953715104016 | Karthika A          |            |
| 2.   | 953715104034 | Thiagaselvan S      |            |
| 3.   | 953715104702 | Saravanan           |            |



#### AAA COLLEGE OF ENGINEERNG AND TECHNOLOGY Kamarajar Educational Road, Amathur, Sivakasi

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Academic Year 2018 - 19 ODD)

CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2015-19

Class / Semester

: IV CSE / VII

Course Instructor

: Mr.C. Raj Kannan, AP/CSE

Date

: 24/08/2018 (6th Hour)

Course Code/ Name: CS6007 – Information Retrieval

**Topic Covered** 

: Components of IR

### COACHING CLASS -1 ATTENDENCE

| S.No | Reg.No       | Name of the Student | Attendence |
|------|--------------|---------------------|------------|
| 1.   | 953715104002 | AkshayaDharshini S  |            |
| 2.   | 953715104003 | Antony Xavier A     | 1/         |
| 3.   | 953715104007 | Ezhilarasi M -      |            |
| 4.   | 953715104008 | Giridharan S        |            |
| 5.   | 953715104014 | Karpagavalli A      |            |
| 6.   | 953715104016 | Karthika A          |            |
| 7.   | 953715104017 | Karthikeyan S       | a          |
| 8.   | 953715104020 | Nandhini S          |            |
| 9.   | 953715104027 | Rajaponni M         | ~          |
| 10.  | 953715104030 | Ranjith Kumar P     | V          |
| 11.  | 953715104034 | Thiagaselvan S      |            |
| 12.  | 953715104701 | Hemanath            | ~          |
| 13.  | 953715104702 | Saravanan           | а          |



### AAA COLLEGE OF ENGINEERNG AND TECHNOLOGY Kamarajar Educational Road, Amathur, Sivakasi

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Academic Year 2018 - 19 ODD)

### CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2015-19

Class / Semester

: IV CSE / VII

Course Instructor

: Mr. P.Elamparithi, AP/CSE

Date

: 24/08/2018 (5th hour)

Course Code/ Name: CS6004 - Cyber Forensics

**Topic Covered** 

: SSL Protocol

#### **COACHING CLASS -1 ATTENDENCE**

| S.No | Reg.No       | Name of the Student | Attendence |
|------|--------------|---------------------|------------|
| 1.   | 953715104002 | AkshayaDharshini S  |            |
| 2.   | 953715104008 | Giridharan S        | /          |
| 3.   | 953715104011 | Jenishganamuthu P   | 1          |
| 4.   | 953715104014 | Karpagavalli A      | ^          |
| 5.   | 953715104018 | Kavitha R           | /          |
| 6.   | 953715104026 | Raja Kumar D V S    | a          |
| 7.   | 953715104027 | Rajaponni M         |            |
| 8.   | 953715104030 | Ranjith Kumar P     |            |
| 9.   | 953715104034 | Thiagaselvan S      | a          |
| 10.  | 953715104701 | Hemanath            | ,          |
| 11.  | 953715104702 | Saravanan           |            |

Course Instructor



#### AAA COLLEGE OF ENGINEERNG AND TECHNOLOGY Kamarajar Educational Road, Amathur, Sivakasi

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Academic Year 2018 - 19 ODD)

#### CORRECTIVE ACTION FOR SLOW LEARNERS

Batch

: 2015-19

Class / Semester

: IV CSE / VII

Course Instructor : Mr. R. Prabhu, AP/CSE

Date

: 22/08/2018

Course Code/ Name: CS6703 - Grid and Cloud Computing

**Topic Covered** 

: Grid Computing Infrastructures

#### **COACHING CLASS -1 ATTENDENCE**

| S.No | Reg.No       | Name of the Student | Attendence |
|------|--------------|---------------------|------------|
| 1.   | 953715104002 | AkshayaDharshini S  |            |
| 2.   | 953715104034 | Thiagaselvan S      |            |
| 3.   | 953715104702 | Saravanan           |            |

#### b. Sample Tutorial Material:

# AAA COLLEGE OF ENGINEERING AND TECHNOLOGY.

OF COMPUTER SCIENCE

C36704 - RESOURCE MANAGEMENT TECHNIQUE.

PART-B. TUTORIAL SUMS.

BTAFF: INDUMATHI.K

1. Max X = 5x1+Ax2 1/2 (1) 3

S. t 6x1+4x2 =24 ( ) 21 + 222 46 -X1+X2 41 22 42 H 3 1) 80 21/30

The standard form is given by

Max Z = 5x, +4x2+ Os, + Os2+033+034 SI 6x, + 4x2+51=24 91, +2212 +52 = 6 42 C - 24 + 22 + Sg =1 0 1 1/2 22 +3402. 2/2

x1, x2, S1, S2, S3, S47,0.

9540000 CBRatio. X1 82 81. 92 83 84 Soln B.V 16 0 0 6 3/2 -1/6 00 0 10 5 5/3 3 0 PARTO O O 2 10/3 5/6 000 000 X X014 Zj' 5 9-74 0 2/3 -5/6 Q O O O O 81 1282 EL 14 7K+DC-5 4 0 0 0 0 G CB Soln Ratio, Biv 81 22 SI S2 S3 SA Soln Max 6 0 521 + 120 6 11 1 12 + 123 + 123 + 123 SI Eng + Hory 151:24 0 1 = 1/8+ 3/4 0,10 3/2 4 22 93.00,000 3/8,574,10 5/2 0 00 00 180-3/4 01 042 00 0 84 Solo 8 5 4 3/2 1/200 V 329 Z, 42 0 0 -3/2 -1/2 010 2 6160 1 24 0 = 3 0 0 1 1-2 2/2 2 3/2 0 20-020 0 0 02 5 4 6 C C C

2.

### North West Comer:

- = 250 x3 + 50x1 + 300x6 + 100x5 + 300 x3 + 200x2
- = Rs.4400.

### Least Cost Method!

- = 300x1 + 250x2 + 50x6 + 100x5 + 300x3 + 200x2
- = Rs.2900.

## Nogel's Approximation Method:

A B C D

$$3 \frac{39^{\circ}}{5} \frac{7}{4} \frac{4}{3960} \frac{3960}{2} \frac{2}{3} \frac{3}{3} \frac{39^{\circ}}{5} \frac{29^{\circ}}{5} \frac{9}{5} \frac{496150}{3} \frac{3}{3} \frac{1}{1} \frac{1}{1}$$

= 300 X1 + 250x2 + 150 x5 + 50x3 + 250x3+
200 x2

1-11-11

2×211 + 2×42 + 6×212 + 15 1

= Rs. 2850,

3. U.V Method:

$$= 200 \times 3 + 50 \times 1 + 250 \times 6 + 100 \times 5 + 250 \times 3 + 150 \times 2$$

$$= 3700.$$

V1=3 V2=1 V3=0 V4=-1

$$u_1 = 0$$
  $\frac{208}{50}$   $\frac{50}{6}$   $\frac{50}{5}$   $\frac{7}{4}$   $\frac{4}{50}$   $\frac{109}{5}$   $\frac{9}{50}$   $\frac{3+4-1=6}{6=6}$   $\frac{1}{6}$   $\frac{258}{6}$   $\frac{1}{50}$   $\frac$ 

$$V_{1}=3$$
  $V_{2}=1$   $V_{3}=0$   $V_{4}=-1$ 
 $U_{1}=0$   $3$   $1$   $7$   $4$ 
 $U_{2}=5$   $2$   $6$   $1$   $9$ 

$$u_2=5$$
 2 6  $\frac{3}{2}$   $u_3=3$  8 3  $\frac{1}{3}$   $\frac{1}{2}$   $\frac{1}{2}$ 

$$C_{11} = 0-3-3=-6$$

$$C_{13} = 0+0-7=-7$$

$$C_{14} = 0-1-4=-5$$

$$C_{24} = 5-1-9=-5$$

$$C_{31} = 3-3-8=-8$$

$$C_{32} = 3+1-3=1$$

$$V_{1}=2 \quad V_{2}=1 \quad V_{3}=1 \quad V_{4}=0$$

$$U_{1}=0 \quad 3 \quad 1 \quad 7 \quad 4$$

$$U_{2}=4 \quad 2 \quad 6 \quad 5 \quad 9$$

$$U_{3}=2 \quad 8 \quad 3 \quad 2$$

$$C_{11} = 0-2-3=-5$$

$$C_{13} = 0+1-7=-6$$

$$C_{14} = 0+0-4=-4$$

$$C_{22} = 4+1-6=-1$$

$$C_{24} = 4+0-9=-5$$

$$C_{31} = 2-2-8=-8$$

$$Total \quad Cost = 250x1 + 200x2 + 150x5 + 50x3 + 200x3 + 150x2$$

c Rs. 2450,

AAA COLLEGE OF ENGINEERING AND TECHNOLOGY

T. M. CA. T. A. T. T. C. A. J. T. C. C.

DEPT OF COMPUTER SCIENCE.

CS6704 - RESOURCE MANAGEMENT TECHNIQUES.

PART-B. TUTORIAL SUMS

STAFF : INDUMATHI

Assignment Problem:

Machines

MI ME ME MH

J1 5 7 11 6

Ja 8 5 9 6

Jobs.

J3 4 7 10 7

14 10 4 8 3

Solution:

.. No. of nows = No. of lotumns

the problem of the second

The transfer of the transfer interest of

It is a balanced Assignment Problem.

E & 88 -

Reduced Row Matrix:

Reduced column matrix.

.. The resultant Matrix 1's given by

The optimum assignment is given by  $Ji \rightarrow Mi$ ,  $Ja \rightarrow Ma$  and the optimum (minimum) assignment cost

Man 
$$z^* = -2x_1 - x_2$$
  
S.t  $-3x_1 - x_2 \le -3$   
 $-4x_1 - 3x_2 + 3x_2 = -6$   
 $-x_1 - 2x_2 + 3x_3 = -3$   
and  $x_1, x_2, x_3, x_5, x_7, 0$ .

.. The initial solution given by 
$$S_1 = -3$$
  $S_2 = -6$   $S_3 = -3$  .  $(x_1 = x_2 = 0)$ 

Solution: (Zj\*-G) 70 and all XBi 20, the eurment Solution is not an optimum basic feasible

$$XB2 = -6$$

$$D = Man \left\{ \frac{(X_1 + - G)}{aik}, aik x 0 \right\}$$

$$= Man \left\{ \frac{2}{3}, \frac{1}{3} \right\}$$

$$= -\frac{1}{3}$$

Drop 32 and introduce 212.

(Xj\*-G) >,0 XBI = -1 <0, the current-Solution is not optimum basic reasible solution.

$$0 = Man \left\{ \frac{2/3}{-5/3}, \frac{1/3}{-1/3} \right\}$$

$$= Man \left\{ \frac{-2}{5}, -1 \right\}$$

$$= -\frac{2}{5}$$

Drop 9, and introduce 24.

N.

CB YB XB 
$$x_1$$
  $x_2$   $g_1$   $g_2$   $g_3$ 

$$-2 x_1$$
  $g_1$   $g_2$   $g_3$ 

$$-1 x_2$$
  $g_1$   $g_3$   $g_4$   $g_5$   $g_7$ 

$$-1 x_2$$
  $g_7$   $g_7$   $g_7$   $g_7$ 

$$-1 x_2$$
  $g_7$   $g_7$   $g_7$   $g_7$ 

$$-1 x_2$$
  $g_7$   $g_7$   $g_7$   $g_7$ 

$$-1 x_2$$
  $g_7$   $g_7$   $g_7$ 

$$-1 x_7$$
  $g_7$   $g_7$ 

$$-1 x_7$$
  $g_7$   $g_7$ 

$$-1 x_7$$
  $g_7$ 

$$-$$

(xy\*-4) >,0 and all xei >0.

Man 
$$z^* = -12/5$$
  $\chi_1 = 9/5$   $\chi_2 = 6/5$   
Min  $\chi = -$  Man  $z^* = -(-12/5) = 12/5$   
Min  $\chi = 12/5$   $\chi_1 = 3/5$   $\chi_2 = 6/5$ 

### c. Sample hand written notes for Simplified Teaching Material

# Walk, Palt and Ciacuits:

Walk:

| Walk is defined as a finite alternating |
| Seq of verity... and edges, beginning and ending with verty... Such that each edge is incident with the vertices preceding and following it.

- No edge appears mose than once in a walk
- Vestex appears mose than once.
- Walk is also referend to as an edge train
- Vesit, at which walk begins and edg ends are ealled terminal vesitices.

### Closed walk:

walk begins and ends at the Same Vestex. Open walk:

- walk that is not closed
- Terminal verifices are distinct.

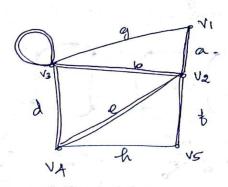
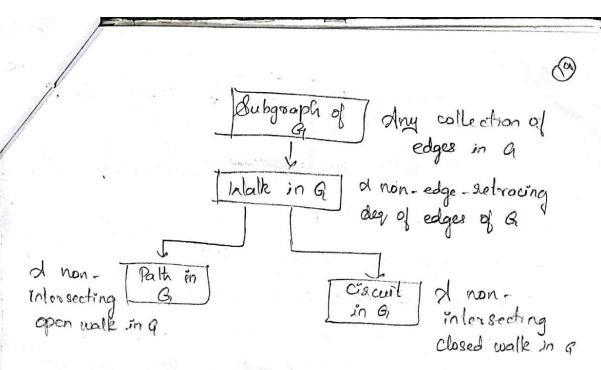


fig: Open Halk



Connected Graphs, Disconnected Graphs and Components:

- A graph is connected if we can reach any Vertex from any other vertex by traveling along the edges.

- A graph is Said to be Connected if there is afleast one palt blt every pair of Vertices in G.

There is no path bit every pair of Vertices in G.

- Null graph of more than one Verber is disconnected.

Component:

A disconnected graph consists of 2 or make connected graphs. Each of the connected Subgraphs is called a component.

Path: An open walk in which no veortex appears nucle. thou once is called a path.

- Otherwise called simple path or elementary path.

eg: Viava 6 V2 d V4.

- Palt does not intersect itself.
- Number of edges in a path is called a length of the path:
  - Self-loop ear be included in walk but not in palk.
    - Teaminal Veort/.. → Degree One Intermediate Vest/.. → Degree two.

# Clacuit:

- A closed walk in which no resitex appears
  - Ciacuit is closed, non-intersecting walk.

g: Vab Vad V4 eVa

- Every Vert/. -> Degree two.
- Also called as Cycle, elementary conycle, circular path and polygon.

Trail: A trail is a walk with all edges distinct.

A graph & is disconnected iff its vertex Set v can be partitioned into a non-empty, disjoint Subset V, and Va Such that there exists no edge in G whose one end vertex is in Subset VI and the other in subset va.

# Paoof:

posem 1:

- Consider 2 Verit/. a & b of Gi 9 € V1 & b € V2 No palt exist blt a and b.

Otherwise there will be an edge with one end Yester in VI & other end Vesitor in Va. ... Hence partition exist, & is not connected.

### Converse:

If G is disconnected, then partition exists.

Paroli.
Let Gr -> disconnected graph.

Vest/. a -> G

Vi -> Set of Nestices that age joined by palts to a".

Va -> Remaining Vesity. No vest/. in Vi is joined to any in Va by an edge Hence the partition.

Theorem 2:

If a graph (connected on disconnected) has exactly two verifices of odd degree, there must be a palk joining these two verif.

Proof:

Gi > graph with even vest/. except vi & V2

V, & V2 = odd vest/.

[ By thm/. The no of odd deg. rest nust always be even ?

Too every component of a disconnected graph, no graph can have odd no of odd Mesit/.

80, graph G, V, and Va must belong to d same component.

Hence there must be a palt blt them.

### Theorem 5.

A simple graph (i.e., a graph who parallel edges nor self-loops) with n vertices and k components can have atmost (n-k)(n-k+1) edges.

Proof:

Let n, ne, ..., nk be I no of verity. in each of K components of the graph G. Then

 $n_1 + n_2 + \cdots + n_k = n$   $n_i \geq 1$ 

Now, 
$$\frac{k}{1} = n$$
 $\frac{k}{1} = n$ 
 $\frac{k}{1} = n$ 

= /2 Eni - 1/2 n

Using (2)
$$= \sqrt{2} \left[ n^{2} + \kappa^{2} - 2n\kappa + 2n - \kappa \right] - \sqrt{2} \left[ (n^{2} + \kappa^{2} - 2n\kappa) + n - \kappa \right]$$

$$= \sqrt{2} \left[ (n - \kappa)^{2} + (n - \kappa) \right]$$

$$= \sqrt{2} \left[ (n - \kappa)^{2} + (n - \kappa) \right]$$

$$= \sqrt{2} \left[ (n - \kappa) (n - \kappa + 1) \right]$$
Maa. no of edges of  $G \leq (n - \kappa) (n - \kappa + 1)$