## Department of Computer Science and Engineering Kalyani Government Engineering College,

Kalyani-741235

Dated: 10/05/2020

### Sub: Regarding Submission of records of Activities for Mandatory Additional Requirement (MAR) applicable for 8th Sem, 2020 CSE students.

**NOTICE**

All students of 8th Sem, CSE are hereby informed to submit records of MAR activities within **13th May, 2020** in the **format as attached along with relevant self-attested certificates/documents** in soft copy to the e-mail address [mar.activities.kd@gmail.com](mailto:mar.activities.kd@gmail.com) for earning score of MAR as per the requirement of Maulana Abul Kalam Azad University of Technology, West Bengal (Notice: COE/MAKAUT/MAR/ 25/2019-20, dated: 12/02/2020 ). On basis of these records relevant MAR score after verification and checking will be submitted to the University for the 7th and 8th Sem, 2020. Please take note that scoring of minimum 25 points is a must or else the final result may get withheld or incomplete.

### Please read the following points carefully:

* It may be mentioned here that as per latest notice by the University regarding MAR( dated: 12.04.2019) a minimum of 25 points should be earned by students in the fourth year of their study or else their result will be in withheld or incomplete.
* It is also notified that students can earn more than 25 points in a year.
* As per previous notification regarding the **special MAR activities for lockdown** or COVID-19 period, you may submit the same also by make a tick it in the respective format, writing a line of name of the activity and attaching relevant self-attested certificate /documents.
* It will be preferably if you make either a single pdf file with all form and supported documents and file name as (<yourname-univ-roll-no.pdf) or a zip/rar file that includes the form and all document with file name as (<yourname-univ-roll-no.rar).
* Submit the same within 13th May, 2020 at [mar.activities.kd@gmail.com](mailto:mar.activities.kd@gmail.com)

Please feel free for any query either through e-mail [kousik.dasgupta@gmail.com](mailto:kousik.dasgupta@gmail.com) or talk at 9830040558.

No further request for extension of dates will be entertained.

[Dr. KOUSIK DASGUPTA] and Prof. M.K. Pakhira

Dept. of CSE Co-ordainator MAR for 4th Year CSE

Copy to: 1) H.O.D CSE for information and necessary circulation

3) CRs of 8th Sem, CSE 2020

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| **College Code and Name: Kalyani Government Engineering College, 102** | | | | | | | | | **Course: BTech , Dept-Computer Science Engineering** | | | | | | |
| **Student Name: AVIJIT AGARWAL** | | | **University Roll No: 10200116057** | | | | | | **Registration No: 161020110010** | | | | | | |
| **Total number of Semesters: 8** | | | **Points** | **Max. Points Allowed** | **Points Earned** | | | | | | | | | | |
| **Sl No.** | **Activity** | | **Sem1** | **Sem2** | **Sem3** | **Sem4** | **Sem5** | **Sem6** | **Sem7** | **Sem8** | **Sem9** | **Sem10** | **Total** |
| **1** | ***MOOCS (SWAYAM/NPTEL/Spoken Tutorial) per course*** | |  | | | | | | | | | | | |  |
| **For 12 weeks duration/40 Hours** | | **20** | **40** |  |  |  |  |  |  |  |  |  |  |  |
| **For 8 weeks duration/30 Hours** | | **16** |  |  |  |  |  |  |  |  |  |  |  |
| **For 4 weeks duration/20 Hours** | | **10** |  |  |  |  |  |  |  |  |  |  |  |
| **For 2 weeks duration/10 Hours** | | **5** |  |  |  |  |  |  |  |  |  |  |  |
| **2** | ***Tech Fest/Fest/Teachers Day/Fresher’s Welcome*** | |  | | | | | | | | | | | |  |
| **Organizer** | | **5** | **10** |  |  |  |  |  |  |  |  |  |  |  |
| **Participant** | | **3** | **6** |  |  |  |  |  |  |  | **3+3** |  |  |  |
| **3** | **Rural Reporting** | | **5** | **10** |  |  |  |  |  |  |  |  |  |  |  |
| **4** | **Tree Plantation and up keeping (per tree)** | | **1** | **10** |  |  |  |  |  |  |  |  |  |  |  |
| **5** | **Participation in Relief Camps** | |  | | | | | | | | | | | |  |
| **a)** | **Collection of fund/ materials for the Relief Camp** | **5** | **40** |  |  |  |  |  |  |  |  |  |  |  |
| **b)** | **To be a part of the Relief Work Team** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **6** | **Participation in Debate/Group Discussion/ Tech quiz /Quiz** | | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |

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| **Total number of Semesters:** | | | **Points** | **Max. Points**  **Allowed** | **Points Earned** | | | | | | | | | | |
| **Sl No.** | **Activity** | | **Sem1** | **Sem2** | **Sem3** | **Sem4** | **Sem5** | **Sem6** | **Sem7** | **Sem8** | **Sem9** | **Sem10** | **Total** |
| **7** | ***Publication of Wall magazine in institutional level (magazine/article/internet)*** | |  | | | | | | | | | | | |  |
| **Editor** | | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **Writer** | | **6** | **12** |  |  |  |  |  |  |  |  |  |  |  |
| **8** | **Publication in News Paper, Magazine & Blogs** | | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **9** | **Research Publication (per publication)** | | **15** | **30** |  |  |  |  |  |  |  |  |  |  |  |
| **10** | **Innovative Projects (other than course curriculum)** | | **30** | **60** |  |  |  |  |  |  |  |  |  |  |  |
| **11** | **Blood donation** | | **8** | **16** |  |  |  |  |  |  |  |  |  |  |  |
| **Blood donation camp Organization** | | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **12** | ***Participation in Sports/Games*** | |  | | | | | | | | | | | |  |
| **a)** | **College level** | **5** | **10** |  |  |  |  |  |  |  |  |  |  |  |
| **b)** | **University Level** | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **c)** | **District Level** | **12** | **24** |  |  |  |  |  |  |  |  |  |  |  |
| **d)** | **State Level** | **15** | **30** |  |  |  |  |  |  |  |  |  |  |  |
| **e)** | **National/International Level** | **20** | **20** |  |  |  |  |  |  |  | **20** |  |  |  |
| **13** | **Cultural Programme (Dance, Drama, Elocution, Music etc.)** | | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **14** | **Member of Professional Society** | | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **15** | **Student Chapter** | | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **16** | **Relevant Industry Visit & Report** | | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |

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| **Total number of Semesters:** | | | **Points** | **Max. Points**  **Allowed** | **Points Earned** | | | | | | | | | | |
| **Sl No.** | **Activity** | | **Sem1** | **Sem2** | **Sem3** | **Sem4** | **Sem5** | **Sem6** | **Sem7** | **Sem8** | **Sem9** | **Sem10** | **Total** |
| **17** | **Photography activities in different Club(Photography club, Cine Club, Gitisansad)** | | **5** | **10** |  |  |  |  |  |  |  |  |  |  |  |
| **18** | **Participation in Yoga Camp (Certificate to be submitted)** | | **5** | **10** |  |  |  |  |  |  |  |  |  |  |  |
| **19** | **Community Service & Allied Activities** | | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **20** | **Adventure Sports with Certification** | | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **21** | **Training to under privileged / Differently Abled** | | **15** | **30** |  |  |  |  |  |  |  |  |  |  |  |
| **22** | **Self-Entrepreneurship Programme** | |  | |  | | | | | | | | | |  |
| **a)** | **To organise entrepreneurship programmes and workshops** | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **b)** | **To take part in entrepreneurship workshop and get certificate** | **5** | **10** |  |  |  |  |  |  |  |  |  |  |  |
| **c)** | **Video film making on entrepreneurship** | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **d)** | **Submit business plan on any project** | **10** | **20** |  |  |  |  |  |  |  |  |  |  |  |
| **e)** | **To work for start-up/as entrepreneur** | **20** | **40** |  |  |  |  |  |  |  |  |  |  |  |
| **Total Points** | | | | |  |  |  |  |  |  |  | **40** |  |  |  |
| **Signature of Mentor** | | | | |  |  |  |  |  |  |  |  |  |  |  |
| **Signature of HOD** | | | | |  |  |  |  |  |  |  |  |  |  |  |
| **\*Please abide strictly to the Notes at the end of the Notice of MAKAUT,WB regarding Mandatory Additional Requirement for earning UG Degree** | | | | | | | | | | | | | | | |
| **\*Activity Points are to be uploaded in the given format in the specific MAR portal of the University, the link for which will be provided shortly.** | | | | | | | | | | | | | | | |
| **\*If any student performs activities outside the list enclosed, then he/she can do so with prior approval of the University.** | | | | | | | | | | | | | | | |

# Special activities of

**Mandatory Additional Requirements** (**MAR**) **during Lockdown period at MAKAUT WB**

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| **Sl No** | **Activities** | **MAR**  **points** | **Max**  **points admissible** |
| 1 | Theme Photography (photographs to be taken inside  home, by selecting a particular theme) & publishing online | 3 | 6 |
| 2 | Video Film Making inside house using mobile phone &  publishing online | 5 | 10 |
| 3 | Writing of poetry, story, blog & publishing online | 4 | 8 |
| 4 | Reviewing of story books, novels, films, documentaries,  YouTube videos | 4 | 8 |
| 5 | Cooking recipes and/ orcooking (with video  documentation) | 3 | 6 |
| 6 | Recording of Song/ Music (with photos/ video  documentation) & publishing online | 5 | 10 |
| 7 | Gardening within the house (with video documentation) | 3 | 6 |
| 8 | Helping parents and family members in household  work/ matters. e g., cleaning, reorganization of furniture, washing, decoration etc | 1 | 3 |
| 9 | Creation of Social Networking Groups to spread social  awareness and give messages | 2 | 4 |
| 10 | Writing of technical (scientific & management oriented)  review article & publishing online | 5 | 10 |
| 11 | Mobile App development/ Coding Solution & publishing | 7 | 14 |
| 12 | Learning of Foreign Languages with certification | 6 | 12 |

Certification and awarding on the activities of MAR for outstanding activities/ special achievements in these areas would be considered.

Students may achieve more than maximum admissible points and total MAR points would be reflected in the final certificate.

The activities that I took part in are;

**1**. Took part in college fests of KGEC, JU main campus, JU salt lake campus,MSIT, Amity University. - (3+3) points (activity 2)

**2**. Took part in Internation Collegiate Coding Contest(ICPC) from Kharagpur Regionals and Amritapuri Regionals which qualify as competitive coding contests at an national level. -20 points (activity12)

**3**. Published several coding solutions online on many sites like codechef, codeforces, etc, during lockdown. Two of which I want to share is my solution are:

a. FACTOR TREE problem of April Challenge 2020 in codechef where we need to use MO’s algorithm on trees using path query

b. Classical problem in Codeforces Round #613 in codeforces which requires inclusion-exclusion principle to find maximum LCM pair in in array of numbers.

So this qualifies for coding solution and publishing in the special MAR activitity 12 with (7+7=14 points).

All the links to solutions, and fests participation certificates and ICPC id are present in the git repository.

So total points acquired =(3+3+20+7+7)= **40** points