BTech Curriculum 2020

Guidelines for Assigning **ACTIVITY POINTS**

MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)
Mar Ivanios Vidya Nagar, Nalanchira, Thiruvananthapuram – 695 015

Introduction

Co-curricular and extra-curricular activities are important for the holistic development of the personality of a student. Apart from the technical knowledge and skills associated with the course curriculum, MBCET focuses on moulding the students to be successful as professionals with excellent soft skills, leadership qualities and team spirit. They should have entrepreneurial capabilities and societal commitment.

In order to nurture these qualities, it is made mandatory that all students have to earn a minimum of **100** activity points during the four years of study. The various segments from which they can earn the points are given below:

    i)   Communication Skills

    ii)   Hardware Skills

    iii)   Technical Skill Development

    iv)   National Initiatives

    v)   Sports & Games

    vi)   Cultural Activities

    vii)   Leadership & Management

    viii) Professional Self Initiatives

    ix)   Entrepreneurship

    x)   Community Outreach Activities

Two credits are given for this on a pass/ fail basis and is mandatory for getting the B Tech Degree. As no grade is given for these two credits, they are not included in the CGPA calculation. Points earned by the student will be indicated in the consolidated academic statement.

Minimum activity points to be earned from **I year to IV year** are as given below:

Year of Study	I and II year	III and IV year
Activity Points (Min.)	40	Remaining points required for a total of 100
Total Activity Points	100	

ACTIVITY SEGMENTS

The following table gives the list of activities under each of these segments, the level of achievement expected, activity points, evidence needed to assign the points and the minimum duration needed for certain activities. It is mandatory for all students to participate in the activities mentioned in Section A.

SECTION A							
Activity Head	Sl. No.	Activity	Achievement Levels & Assigned Activity Points		Approval Document **	Max. Points	Year of activity
Communication Skills	1	Communicative English	Level #1 5	Level #2 5	a	10	I Year
Hardware Skills	2	Basic hardware Lab at IEDC (Open for all branches)	5		a	10	I Year
Technical Skill Development	3	Simulation Software offered by the Dept./IEDC (MATLAB, PSpice, CAD etc.) (Min. duration of 10 hrs) (Details will be specified in the activity description)	5		a	10	II year
Technical Skill Development	4	Skill development Programs offered by the Dept./IEDC/FTL etc. (Min. duration of 30 hrs) (Details will be specified in the activity description)	15		a	30	II, III & IV year

SECTION B						
Activity Head	Sl. No.	Activity	Achievement Levels and Assigned Activity Points	Approval Document**	Max. Points	Min. Duration of activity
National Initiatives	5	NSS/NCC#	60	a/b/c	60	2 Year
		#For C certificate/ outstanding performance supported by certification, additional points up to 20 can be provided subjected to maximum limit of **20** points.				
		Best NSS Volunteer Awardee (University level) / Participation in National Integration Camp/ Pre Republic-Day Parade Camp (South India), supported by certification, additional points upto 10 can be provided subjected to maximum limit of **10** points.				
		Best NSS Volunteer Awardee (State/ National level)/ Participation in Republic Day Parade Camp/ International Youth Exchange Program, supported by certification, additional points up to 20 can be provided subjected to maximum limit of **20** points.				
		Maximum for item # 5 is limited to **80**.				

Activity Head	Sl. No.	Level*	I	II	III	IV	V	Approval Document	Max. Points	Min. duration of activity
Sports & Games Participation	6	Sports	8	15	25	40	60	a	60	1 Year
	7	Games	8	15	25	40	60	a	60	1 year
		First Prize	10	10	10	20	20	Additional points for winning. The maximum limit for activity points is 60. But for Level IV and V winning, the maximum point limit is enhanced to 80.		
		Second Prize	8	8	8	16	16			
		Third Prize	5	5	5	12	12			
Cultural Activities Participation	8	Music	8	12	20	40	60	a	60	1 Year
	9	Performing arts	8	12	20	40	60	a	60	1 Year
	10	Literary arts	8	12	20	40	60	a	60	1 Year
		First Prize	10	10	10	20	20	Additional points for winning. The maximum limit for activity points is 60. But for Level IV and V winning, the maximum point limit is enhanced to 80.		
		Second Prize	8	8	8	16	16			
		Third Prize	5	5	5	12	12			

Activity Head	Sl. No.			Approval Document	Max. Points	Min. duration of activity
Leadership & Management	11	Student Professional Societies (IEEE, IET, ISTE, ASME, ASCE, CSI, SAE, NASA etc.), Other College level Committees (IEDC, IIC, etc.)	Core coordinator: 15 Sub coordinator: 10 Volunteer: 5	d	40	I, II, III or IV year
	12	Dept. Association (Mechanical, Civil, Electrical etc.)	Core coordinator: 15 Sub coordinator: 10 Volunteer: 5	d	40	
	13	Festival, Technical Events, Sports (College approved)	Core coordinator: 15 Sub coordinator: 10 Volunteer: 5	d	40	
	14	Hobby Clubs	Core coordinator: 15 Sub coordinator: 10 Volunteer: 5	d	40	
	15	Student representatives (Senate)	Chairman: 30 Secretary: 25 Other Member: 15 Class representatives: 10 Editor (College magazine):25 Editorial board members (College magazine): 15	d	60	

Professional Self Initiatives	16	Tech Fests and Tech Quiz (I/II/III/IV/V)	10/20/30/40/50	a	50	
	17	MOOC with final assessment certificate (Other than those part of academic requirement)	50	a	50	
	18	Foreign Language Skill (TOEFL/ IELTS/ BEC exams etc.)	50	a	50	
	19	Competitions conducted by Professional Societies - (IEEE, IET, ASME, ASCE, SAE, NASA etc.) (I/II/III/IV/V)	10/15/20/30/40	a	40	
	20	Attending full time Conference/ Seminar/ Webinar/ Workshop/ STTP etc. conducted at IITs/NITs/ other prestigious institutions (other than those conducted along with fests)	15	a	30	I, II, III or IV year
	21	Paper presentation at IITs/ NITs or publication in International/National level journals/ conference proceedings	20	a	40	
	22	Poster Presentation at IITs / NITs/ reputed institutions	10	a	20	
	Additional 10 points in Items 21 and 22 for certificate of recognition (best paper, best project etc.) – Document (c)					
	23	Paper presentation/ publication in Conferences by institutions other than those mentioned in 21.	8	a	16	
	24	Poster presentation institutions other than those mentioned in 22.	4	a	8	
	Additional 2 points in items 23 and 24 for certificate of recognition – Document (c)					
	25	Industrial Training/ Internship (atleast for 5 full days)	20	a/b	20	
	26	Industrial/Exhibition visits	5	a/b/d	10	

Entrepreneurship and Innovation	27	Start-up Company – Registered legally	60	d/e	60	I, II, III or IV year
	28	Patent-Filed	30	d	60	
	29	Patent - Published	35	d	60	
	30	Patent- Approved	50	d	60	
	31	Patent- Licensed	80	d/e	80	
	32	Prototype developed and tested	60	d	60	
	33	Awards for products developed	60	d	60	
	34	Innovative technologies developed and used by industries or other stakeholders	60	d	60	
	35	Received venture capital for funding for innovative ideas/products	80	d/e	80	
	36	Startup Employment (Offering jobs to two persons not less than Rs. 15000/- per month)	80	d	80	
	37	Societal innovations[%]	50	d	50	

Community Outreach	38	Community outreach activities[&]	20 (2 weeks) 10 (1 week)	d	60	I, II, III or IV year

* Level I - College Events; Level II - Zonal Events; Level III - State/ University Events;
   Level IV - National Events; Level V - International Events

**Approval Documents: (a) Certificate (b) Letter from Authorities
                        (c) Appreciation recognition letter (d) Documentary evidence
                        (e) Legal Proof (f) Others (specify)

%, & - Suggestive activities as Long-Term Goals, may be carried out by students in teams:

    i.   Prepare and implement plan to create local job opportunities

    ii.   Prepare and implement plan to skill village youth and provide employment

    iii.   Prepare and implement plan to improve education quality in village

    iv.   Prepare an actionable DPR for doubling the village income

    v.   Prepare and implement a plan to improve health parameters of villagers

    vi.   Implement/develop technology solutions which will improve quality of life

    vii.   Prepare and implement plan to promote local tourism through innovative approaches

    viii. Setting of information imparting club for women leading to contribution in social and economic issues

    ix.   Develop localized techniques for reduction in construction cost

    x.   Developing sustainable water management system

    xi.   Developing and managing efficient garbage disposable system

    xii.   Developing and implementing of low-cost sanitation facilities

    xiii. Prepare and implement solution for energy conservation

    xiv. Prepare and implement plan of sustainable growth of village

    xv.   Contribution to any national level initiative of Government of India. Eg., Digital India/ Skill India/ Swachh Bharat Internship/ UBA activities/ Universal Human Values related activities

Note: For any events other than those specified above, the Dean (Acad.) will take appropriate decision to award points based on the recommendations of the HoD & Faculty Advisor.

(Approved by College Council by circulation in June 2021)

Date of approval: 14 June 2021

--- ❄ ---