JEC APPRAISAL SYSTEM

The appraisal system evaluates a faculty based on the following criteria:

1. Student Performance
2. Teaching Learning
3. Student Feedback
4. Scholarly activities
5. Services

Student Performance

Student performance is evaluated based on the university results of the subjects handled by the faculty. This evaluation will be done for the current academic year as well as the previous academic year i.e. previous four semester results for which the university results were published will be evaluated. For each subject handled we will calculate a score using the following formula:

$$Score = y_1 + \frac{(x - x_1)(y_2 - y_1)}{100 - x_1}$$

$$where,$$

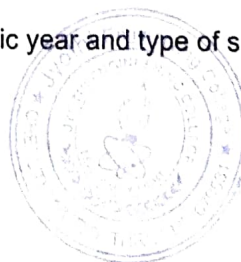$$x_1 = university\ pass\ percentage$$

$$x = class\ pass\ percentage$$

$$y_1 = (100 - x_1) \times w$$

$$y_2 = y_1 \times 2$$

w is the weightage factor and depends upon academic year and type of subject i.e.

for the current academic year

Jyothi Engineering College
NAAC Accredited College with NBA Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O. CHERUTHURUTHY, THRISSUR, PIN-679531 PH : +91 4884 259000, 274423 FAX : 04884 274777

NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

- for theory subject w=3,
- for labs/seminars/project/workshops w = 1

for the previous academic year
- for theory subject w=1.5,
- for labs/seminars/project/workshops w = 0.5

The score will be calculated for each and every subject handled by the faculty. And a total score for each faculty will be summed up. Once we calculate it for all the faculty members we convert the score of an individual faculty to 200 using the following formula:

$$Student\ Performance\ Score(out\ of\ 200) = \frac{calculated\ score}{topper\ score} \times 200$$

Teaching learning

This criteria is evaluated based on the number of hours the faculty has engaged for a particular subject. The classes also include tutorial hours, remedial hours, lab hours, online classes, youtube classes and MCQs entered in the CampusBook.

$$Score\ of\ each\ subject = Number\ of\ hours \times x$$
$$where,\ x\ depends\ upon\ the\ type\ of\ class\ as\ listed\ below$$

- Classes = 0.5
- Tutorial = 0.5
- Remedial = 1
- Lab = 0.1
- Online Classes = 1
- Youtube Class = 1
- MCQ = 0.25

Finally we sum up all the scores. Additionally we add the following scores also to the sum:
- Calculate the number of unique theory subjects handled and multiply it with 5
- Calculate the number of unique lab subjects handled and multiply it with 5
- Calculate the number of projects guided and multiply it by 5
- If faculty is a tutor add an additional score of 10
- MCQ Test Score which was converted to 10

Jyothi Engineering College

NAAC Accredited College with ᴺᴮᴬ Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O, CHERUTHURUTHY, THRISSUR, PIN-679531 PH : +91 4884-259000, 274423 FAX : 04884-274777

CREATING TECHNOLOGY
LEADERS OF TOMORROW
ESTD 2002

NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

For each individual faculty we calculate the score as shown above. Once we calculate this for all the faculty members we convert the score of an individual faculty to 100 using the following formula:

$$Teaching - learning\ score(out\ of\ 100) = \frac{calculated\ score}{topper\ score} \times 100$$

Student Feedback

The score for this criteria is based on the feedback of the students. The score of each subject is calculated based on the following formula

$$Score = y_1 + \frac{(x - x_1)(y_2 - y_1)}{100 - x_1}$$

$$where,$$

$$x_1 = class\ average$$

$$x = feedback\ score\ of\ the\ faculty$$

$$y_1 = (100 - x_1) \times 2$$

$$y_2 = y_1 \times 2$$

The score will be calculated for each and every subject handled by the faculty. And a total score will be summed up. Once we calculate it for all the faculty members we convert the score of an individual faculty to 200 using the following formula:

$$Student\ Performance\ Score(out\ of\ 200) = \frac{calculated\ score}{topper\ score} \times 200$$

Jyothi Engineering College

NAAC Accredited College with NBA Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY IN THE ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P O, CHERUTHURUTHY, THRISSUR, PIN 679531 PH +91 4884 259000, 274423 FAX 04884-274777

NBA accredited B Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2018-2022. NBA accredited B Tech Programme in Civil Engineering valid for the academic years 2019-2022

Scholarly Activities

Here the score is calculated based on the scholarly activities faculty has undergone in this college. Only the activities related to the current academic year will be considered. Score is assigned for the following

Scholarly Activities	Score		
PhD Guideship	50		
PhD awarded to student	50		
PhD Holder	25		
PhD Pursuing	15		
Journal Papers	Normal (10)	Scopus (30)	SCI (60)
Journal Papers			
Conference		Without Scopus (10)	Scopus Procedia (20)
Conference Paper 1			
Conference Chair/Moderator	30		
Webinars Presented	10		
Memberships in Govt. Bodies (30)	30		
Memberships in other Educational Bodies (20)	20		
MOOC Courses (8 weeks)			
MOOC Course 1 (30)	30		
MOOC Course 2 (15)	15		

Jyothi Engineering College

NAAC Accredited College with Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O, CHERUTHURUTHY, THRISSUR, PIN 679531 PH: +91 4884-259000, 274423, FAX: 04884-274777

CREATING TECHNOLOGY LEADERS OF TOMORROW ESTD 2002

NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

FDP/Workshop Attended	3 & 5 days (5)	7 days (10)	14 days (15)
Patent Awarded	Filed (15)	Published (30)	Granted (60)
Book (50)	50		
Book Chapter (25)	25		
Project Proposals (5)	5		
Research Grants (Proposed by faculty Member)	Less than Rs. 10000 (20)	Morethan Rs. 10000 - 100000 (40)	More than 100000 (60)
Research Grants (Proposed by students)	Less than Rs. 10000 (10)	Morethan Rs. 10000 - 100000 (20)	More than 100000 (30)
Consultancy Works	Less than Rs. 10000 (20)	Morethan Rs. 10000 - 100000 (40)	More than 100000 (60)

Based on the entries made the score of each faculty is added up. Once we calculate this for all the faculty members we convert the score of an individual faculty to 300 using the following formula:

$$Scholarly\ Activities\ score(out\ of\ 300) = \frac{calculated\ score}{topper\ score} \times 300$$

Jyothi Engineering College

NAAC Accredited College with NBA Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O, CHERUTHURUTHY, THRISSUR PIN 679531 PH : +91 4884-259000, 274423 FAX : 04884-274777

NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

Services

Here the score is calculated based on the services faculty has rendered in the college for the current academic year. Score is assigned for the following

SERVICE	Score	Effectiveness Factor (0 - 1)
Head of the Department (200)	200	0.8
NBA		
NBA Coordinator (100)	100	0.8
NBA Dept. Coordinator (50)	50	
Criterion Coordinator (20)	20	
Autonomous Activities		
Dept. Main Coordinator (25)	25	
Dept. Coordinator (15)	15	
Admission Committee		
Core committee member (25)	25	
Software Development		
Software Developer (200)	200	
Assistance to Software Development (50)	50	
Uty. Valuation Camp		
Camp Asst. to Chairman (50)	50	
Core Team Member (25)	25	
Internal Exam Cell		
Coordinator (25)	25	

Jyothi Engineering College

N.A.A.C Accredited College with ■■ Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O, CHERUTHURUTHY, THRISSUR, PIN-679531 PH : +91 4884-259000, 274423 FAX : 04884-274777
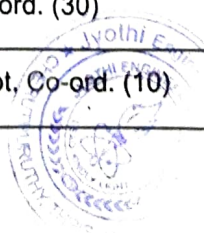
NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

Core Team Member (15)	15	
IQAC/NIRF/NAAC		
Coordinator (25)	25	
Core Team Member (20)	20	
PRD CELL		
Coordinator (50)	50	
Core Team Member (25)	25	
Time Table Coordinators (15)	15	
Dept. Coordinator meeting (10)	10	

Professional Club	Responsibility (Score)
IEEE (Student Chapter)	Co-ord. (20)
IEEE - IAS	Co-ord. (20)
CSI (Student Chapter)	Co-ord. (20)
ISTE (Faculty Chapter)	Co-ord. (20)
ISTE (Student Chapter)	Co-ord. (20)
IETE	Co-ord. (20)
ICI	Co-ord. (20)
SAE India	Co-ord. (20)
IEI	Co-ord. (20)
IEDC	Co-ord. (30)
	Dept. Co-ord. (10)

Jyothi Engineering College

NAAC Accredited College with ⬤ Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O. CHERUTHURUTHY, THRISSUR. PIN-679531. PH : +91- 4884-259000, 274423. FAX : 04884-274777

NBA accredited B Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B Tech Programme in Civil Engineering valid for the academic years 2019-2022.

NSS Unit 140	Main Co-ord. (40)
	Co-ord. (20)
NATURA	Co-ord. (20)
	Co-ord. (20)
Blood Donors Forum / Red Ribbon Club	Co-ord. (20)
	Co-ord. (20)
STAFF CLUB	Main Co-ords. (30)
Conference Coordinated	Main Co-ord. (30)
	Co-ord. (15)
FDP Coordinated+3	Main Co-ord. (20)
	Co-ord. (10)
Seminars Coordinated	Main Co-ord. (10)
	Co-ord. (5)
Staff Advisors to College Union	Main Co-ords. (40)
PTA	Main. Co-ords. (20)
ICFOSS	Co-ord. (10)

Name of Event	Score
Environment Day Celebration	10
Retreat for final year students(S7)	10
Retreat for students(S5)	10
Retreat for Students(S3)	10

Jyothi Engineering College

NAAC Accredited College with Accredited Programmes

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O, CHERUTHURUTHY, THRISSUR, PIN 679531 PH +91 4884 259000 274422 FAX 04884 274777

NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

Event	Value
Retreat for Students(S1)	10
Retreat for Catholic Teachers	10
Legal Classes (Anti Ragging)	10
UG Induction	Main Co-ord. (30)
	Other Incharges (20)
PG Induction	Main Co-ord. (20)
	Other Incharges (10)
Independence Day	10
Onam Celebration	Main Co-ord. (20)
	Other Incharges (10)
Engineers Day	10
World Habitat Day	10
Convocation	Main Co-ord. (30)
	Other Incharges (15)
World Standards Day	10
Union Inauguration	10
Energy Conservation Day	10
JEC Talk	Main Co-ord. (30)
	Other Incharges (10)
Sports Day	Main Co-ord. (20)
	Other Incharges (10)
Arts Day	Main Co-ord. (30)
	Other Incharges (10)
Christmas Celebration	Main Co-ord. (20)

Jyothi Engineering College

N A A C Accredited College with NBA Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

CREATING TECHNOLOGY LEADERS OF TOMORROW ESTD 2002

JYOTHI HILLS, VETTIKATTIRI P.O. CHERUTHURUTHY, THRISSUR, PIN 679531 PH : +91 4884-259000, 274423 FAX : 04884-274777

NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

	Other Incharges (10)
Republic Day	Main Co-ord. (10)
	Other Incharges (5)
Tharang Tech Fest	Main Co-ord. (50)
	Other Incharges (30)
	Dept. Co-ord. (20)
National Science Day	Other Incharges (10)
Women's Day celebration	10
World Water Day	10
College Day	Main Co-ord. (20)
	Other Incharges (10)
S8 Farewell & Group Photo	Other Incharges (20)
	Main Co-ord. (20)
Red Ribbon Club / Red Ribbon Club	Other Incharges (10)
DAC	Main Co-ord. (30)
	Other Incharges (10)
Placement Cell	Main Co-ord. (20)
	Other Incharges (10)
Research Cell	Main Co-ord. (20)
	Other Incharges (10)
Dept. Library	20
College Magazine/JEC News	Main Co-ord. (20)
	Other Incharges (10)

Jyothi Engineering College

NAAC Accredited College with NBA Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O, CHERUTHURUTHY, THRISSUR PIN-679531 PH : +91 4884-259000 274423 FAX 04884-274777

NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

CREATING TECHNOLOGY LEADERS OF TOMORROW
ESTD 2002

Canteen/store/st. welfare/Grievance/Purchase…	Main Co-ord. (10)
	Other Incharges (5)

HODs will evaluate the services rendered by the faculty members of the department. Based on the evaluation they can enter the effectiveness factor (values from 0 to 1) which will be multiplied with the allotted score.

Based on the entries made the score of each faculty is added up. Once we calculate this for all the faculty members we convert the score of an individual faculty to 200 using the following formula:

$$Services\ score(out\ of\ 200) = \frac{calculated\ score}{topper\ score} \times 200$$

Faculty Evaluation Score

Now we have received a score out of 1000 for each faculty member. It will be converted to 600 and we call the score as **Faculty Evaluation Score.**

Final Score

Now the Faculty **Evaluation Score** will be added with the Evaluation scores proposed by the authorities like HODs, Principal & Management.

Evaluated By	Evaluation Score Out of
Head of Department (HOD)	75
Principal	125
Management	200

Hence we get a final score for each faculty member out of 1000.