

**NATIONAL BOARD OF ACCREDITATION**

Manual for  
Accreditation of  
**Undergraduate  
Engineering  
Programs**



## Criterion V

### Faculty (150)

#### List of Faculty: Exclusively for the Program / Shared with other Programs

Name of the Faculty	Qualification, University and year of graduation	Designation and Date of joining the Institution	Distribution of teaching load (%)			Number of research publications in journals and conferences since joining	IPRs	R&D and Consultancy work with amount	Holding an incubation unit	Interaction with outside world
			1stY	UG	PG					

(Instruction: The Institution may complete the above table for the calculation of the **Student Teacher Ratio (STR)**. Teaching loads of the faculty member contributing to the UG program only (2nd, 3rd& 4th year) are considered to calculate the **STR**.)

#### V-P.1 Student Teacher Ratio (STR) (20) :

STR is desired to be 15 or superior

Assessment =  $20 * 15 * 0.8 / STR$  ; subject to Max. Assessment of 20

STR = Student Teacher Ratio

=  $(x + y + z) / N1$

x = Number of students in 2nd year of the program

y = Number of students in 3rd year of the program

z = Number of students in 4th year of the program

N1 = Total Number Faculty Members in the program (by considering fractional load)

Year	x	y	z	x+y+z	N1	STR	Assessment (Max. is 20)
CAYm2							
CAYm1							
CAY							
Average Assessment							

Include a list of all such publications and IPRs along with details of DOI, publisher, month/year, etc.

Name of faculty (contributing to FRP)	FRP Points (Max. 5 per faculty)		
	CAYm2	CAYm1	CAY
Sum			
N (Number of faculty positions required for an STR of 15)			
Assessment FRP = $4 \times \text{Sum}/N$			
Average Assessment			

**V-P.6 Faculty Intellectual Property Rights (10)**

Assessment of  $\text{FIPR} = 2 * \text{Sum of the FIPR points scored by each Faculty member DIVIDED BY (N)}$

Guidelines: A faculty member scores at most 5 FIPR points. FIPR includes awarded national/international patents, design and copyrights.

Name of faculty (contributing to FIPR)	FIRP Points (Max. 5 per faculty)		
	CAYm2	CAYm1	CAY
.....			
.....			
.....			
Sum			
N			
Assessment FIPR = $2 \times \text{Sum}/N$			
Average Assessment			

V-P.5	Faculty Research Publications	20	<p>Faculty Points in Research Publications (FRP)</p> <p>Assessment of FRP = <math>4 * \text{Sum of the Research Publication Points scored by each Faculty member} \textit{ DIVIDED BY (N)}</math></p> <p>Guidelines: A faculty member scores at most 5 Research publication points, each year, depending upon the <i>quality</i> of the research papers published in the past 3 years.</p> <p>The research papers considered are those (i) which can be located on internet and/or are included in hard-copy volumes/proceedings, published by well known publishers, and (ii) the faculty member's affiliation, in the published paper, is of the current institution.</p>
V-P.6	Faculty Intellectual Property Rights (IPR)	10	<p>Faculty Points in IPR (FIPR)</p> <p>Assessment of FIPR = <math>2 * \text{Sum of the FIPR points scored by each Faculty member} \textit{ DIVIDED BY (N)}</math></p> <p>Guidelines: A faculty member scores at most 5 FIPR points, each year. IPR includes awarded national/international patents, books and copyrights.</p>
V-P.7	Faculty R & D and Consultancy Work	20	<p>Faculty Points in R &amp; D and consultancy work (FRDC)</p> <p>Assessment of R&amp;D and Consultancy Projects</p> <p>= <math>4 * \text{Sum of FRDC by each faculty} \textit{ DIVIDED BY (N)}</math></p> <p>Guidelines : A faculty member gets at most 5 points, each year, depending upon the amount of the funds and/or the contributions made. A suggestive scheme is given below for a minimum amount of Rs. 1 lakh:—</p> <p>5 points for funding by National Agency,  4 points for funding by State Agency,  3 points for funding by private sector, and  2 points for funding by the sponsoring Trust/Society.</p>
V-P.8	Faculty Interactions with Outside World	10	<p>Faculty Points for Interaction with Outside World (FIP)</p> <p>Assessment = <math>2 * \text{Sum of FIP by each faculty} \textit{ DIVIDED BY (N)}</math></p>