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Tuning India

Results

Survey on Students' Workload

STUDENTS' WORKLOAD: SURVEY ANALYSIS

In order to estimate adequately the workload required for students to achieve the learning outcomes specified in the curriculum, special survey on students' workload at Indian universities has been conducted. The process included the involvement of academics and students as the key groups of the survey. The survey aims at approximating the real volume of work hours needed by a student to pass the unit/course/module from the point of view of teachers' planning and perception and students' opinion. This helps to improve the degree programmes designed.

Data Editing, Cleaning & Checking and Consistency

The raw database went through the standard process of editing, cleaning and checking for extreme, invalid or inconsistent values. Given the nature of the survey, where individuals were asked to give rough estimates referred to the number of hours devoted to different academic activities within different time periods (semester, week), some inconsistencies and errors were to be expected. At the same time, and as it happens in many surveys, some questions were left unanswered sometimes or individuals assigned values which could be considered as inconsistent.

The process of data checking/cleaning was performed on each of the variables separately. Careful analysis was carried out observing the distribution of different variables to decide what could be considered as inconsistent within each variable based on the analysis of outliers. As it could be expected, the number of outliers was higher among students than among academics.

Calculating Results

Results are displayed according to the four different areas divided into academics and students. The methodology implies that in order to include a given academic institution in the final results, at least one value was requested for all courses constituting one given semester.

Survey Results

Academics

Students

01

How many CONTACT HOURS* in total were you given to study this unit/course/module along the SEMESTER?

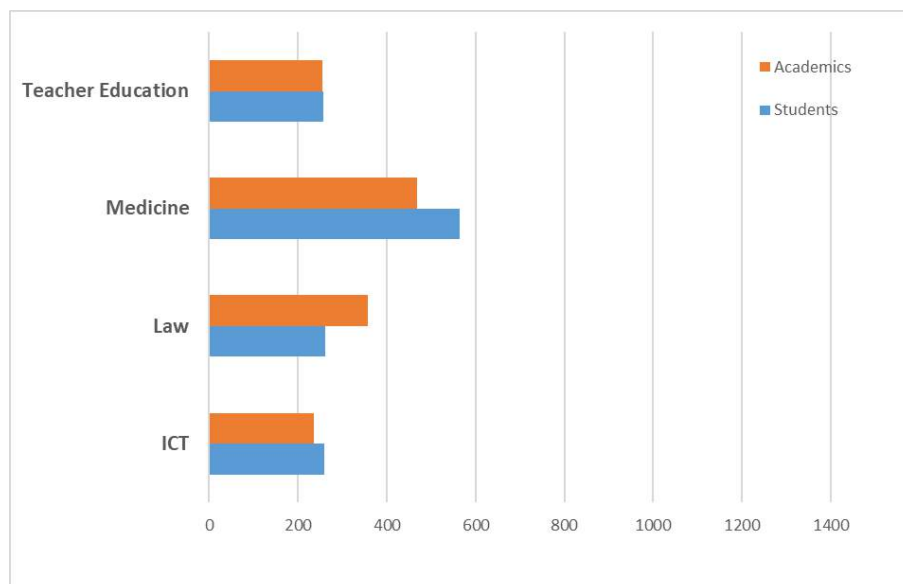
* Contact hours: the amount of time spent on training in contact with the teacher or other staff of the university in the study of a particular unit/course/module. It includes lectures, seminars, clinical practices, labs, project work and field work (supervised).

	How many CONTACT HOURS in total were you given to study above-mentioned unit/course/module along the SEMESTER? (in hours) (1)	
	Students	Academics
ICT	260,09	236,94
Law	261,54	357,44
Medicine	565,15	467,55
Teacher Education	256,27	254,17

Mean values for each area and group

02

How many CONTACT HOURS in total were you given to study this unit/course/module along the SEMESTER?



03

Academics

Specify the types of **INDEPENDENT WORK** you promote in the **unit/course/module along the SEMESTER**. Enter the estimated number of hours which, in your opinion, should the student have in order to complete self-work on unit/course/module.

Students

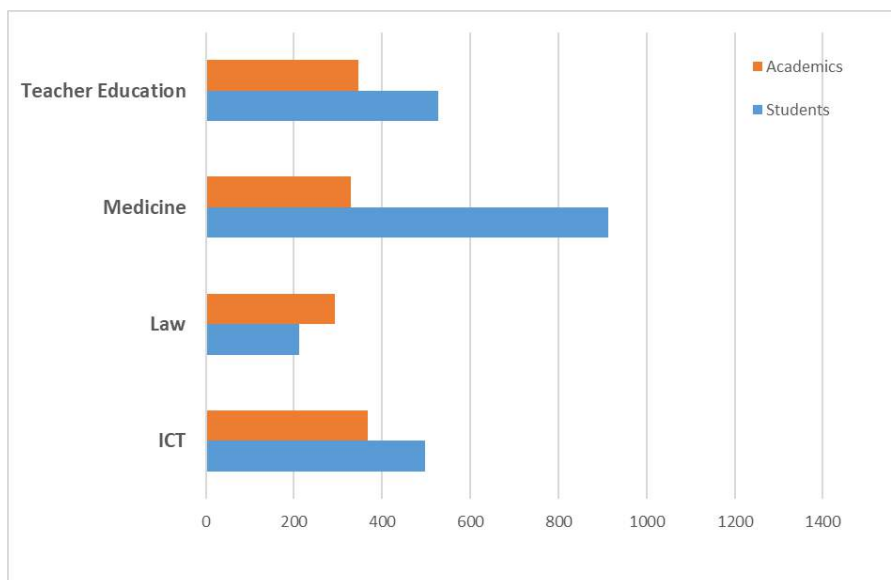
Specify the types of **INDEPENDENT WORK** you use to learn the **unit/course/module along the SEMESTER**. Enter the estimated number of hours that you needed to complete self-work on unit/course/module.

	INDEPENDENT WORK													
	Reading texts or literature including search and work with Internet sources (in hours)		Fieldwork: site visits, etc. - not supervised (in hours)		Laboratory work: not supervised and not counted in contact hours (in hours)		Preparation of assignments: essays, reports, design work, modelling, interviews, presentations, etc. (in hours)		Preparation and follow-up work for scheduled classes (in hours)		Preparation for assessment, final examinations, tests, etc. (in hours)		Total independent work hours per semester (2)	
	Students	Academics	Students	Academics	Students	Academics	Students	Academics	Students	Academics	Students	Academics	Students	Academics
ICT	121,42	99,28	16,42	0,00	61,53	50,73	95,57	59,65	75,48	70,84	127,18	86,68	497,59	367,18
Law	49,55	78,08	9,07	0,00	12,68	30,73	69,48	65,45	25,07	50,29	46,97	67,48	212,83	292,03
Medicine	202,51	88,78	90,76	13,39	132,64	27,93	127,60	68,85	124,95	59,29	235,49	71,28	913,95	329,51
Teacher Education	152,93	98,90	28,20	14,79	33,00	23,83	133,50	75,62	94,97	61,52	84,88	71,77	527,49	346,43

Mean values for each area and group. The final column containing the total is the sum of all previous columns

04

Total INDEPENDENT WORK to learn the unit/course/module along the SEMESTER



05

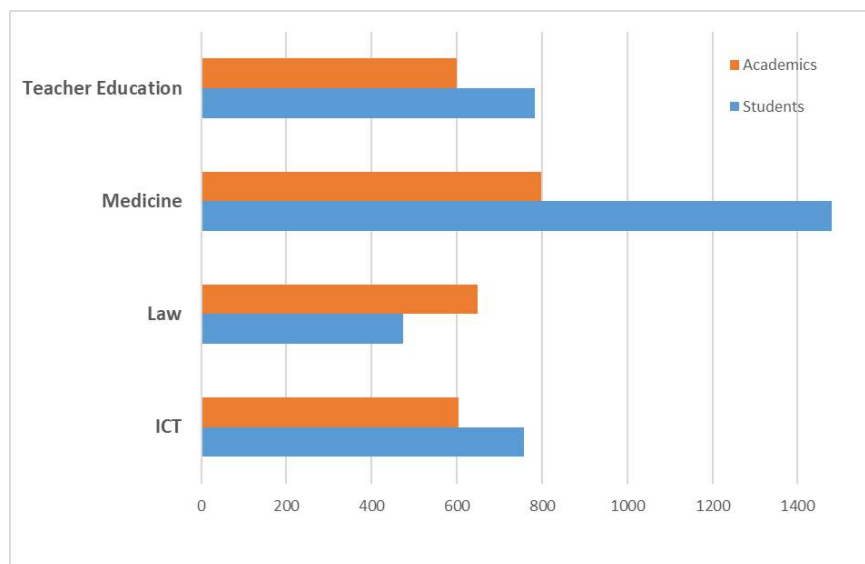
TOTAL NUMBER OF HOURS PER SEMESTER AS THE RESULT OF THE SUM OF THE PREVIOUS RESULTS

	How many CONTACT HOURS in total were you given to study above-mentioned unit/course/module along the SEMESTER? (in hours) (1)		Total independent work hours per semester (2)		Total = Contact (1) + Independent work (2)	
	Students	Academics	Students	Academics	Students	Academics
ICT	260,09	236,94	497,59	367,18	757,68	604,12
Law	261,54	357,44	212,83	292,03	474,36	649,47
Medicine	565,15	467,55	913,95	329,51	1479,10	797,07
Teacher Education	256,27	254,17	527,49	346,43	783,76	600,59

- (1) As shown on Slide 1
(2) As shown on Slide 3

06

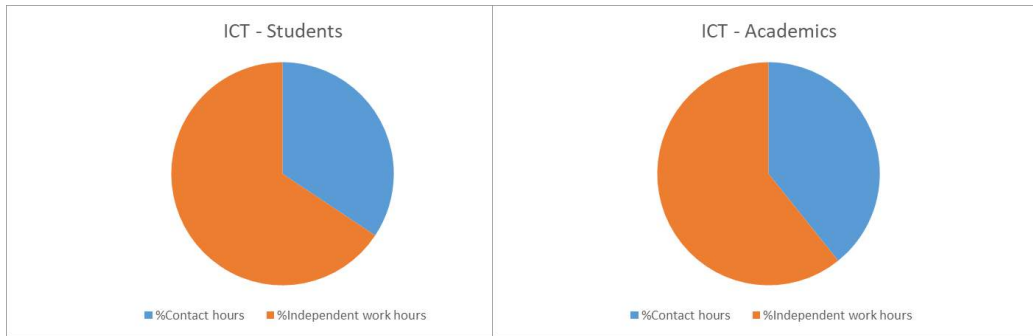
Total CONTACT HOURS and INDEPENDENT WORK to learn the unit/course/module along the SEMESTER



07

% Contact hours vs Independent Work

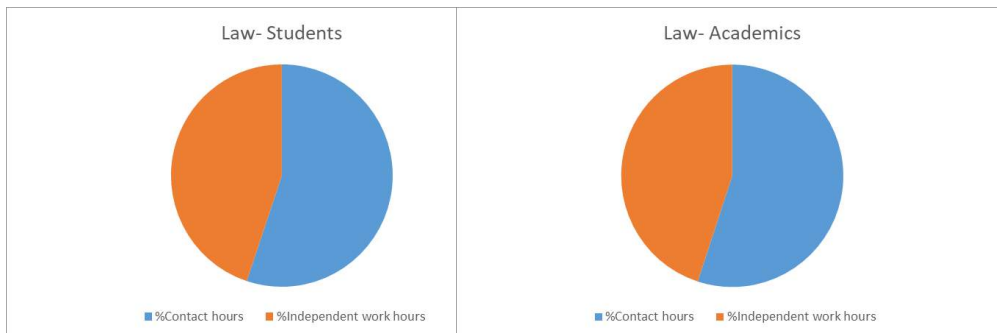
ICT



08

% Contact hours vs Independent Work

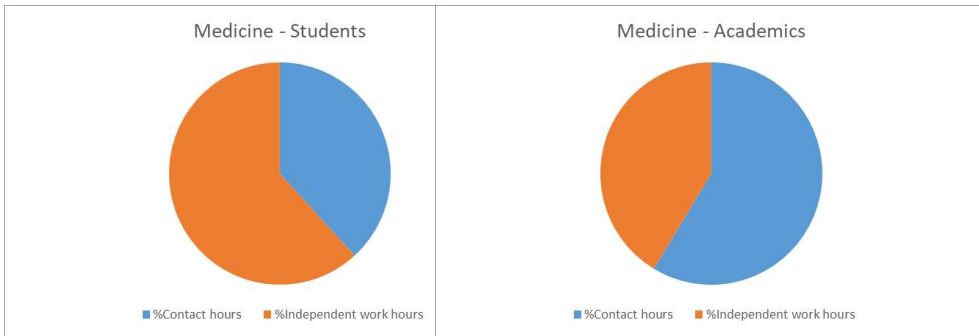
Law



09

% Contact hours vs Independent Work

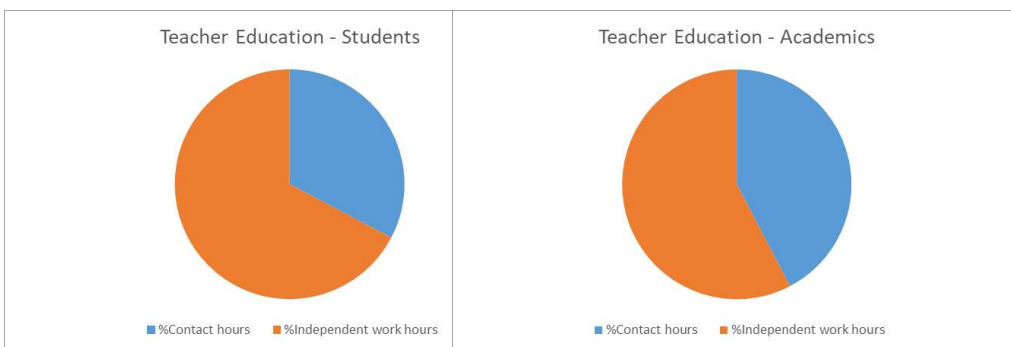
Medicine



10

% Contact hours vs Independent Work

Teacher Education



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Academics

How many hours does an **AVERAGE** student need to complete all the requirements of the unit/course/module in this **SEMESTER** (taking into account **CONTACT HOURS** and **INDEPENDENT WORK**)?

Students

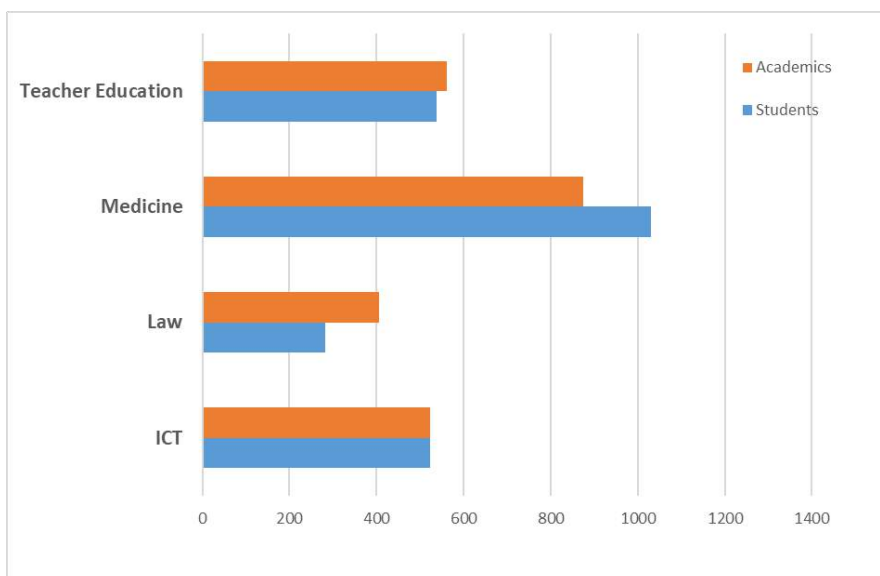
How many hours did you spend in the **SEMESTER** to complete all the requirements of the unit/course/module (taking into account **CONTACT HOURS** and **INDEPENDENT WORK**)?

	Students	Academics
ICT	523,23	524,05
Law	282,20	406,28
Medicine	1029,63	874,85
Teacher Education	538,26	561,38

Mean values for each area and group

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Hours needed to complete all the requirements of the unit/course/module in this **SEMESTER** (taking into account **CONTACT HOURS** and **INDEPENDENT WORK**)



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Academics

How many hours per WEEK does an AVERAGE student study (both CONTACT HOURS AND INDEPENDENT WORK) to complete all the requirements of the unit/course/module?

Students

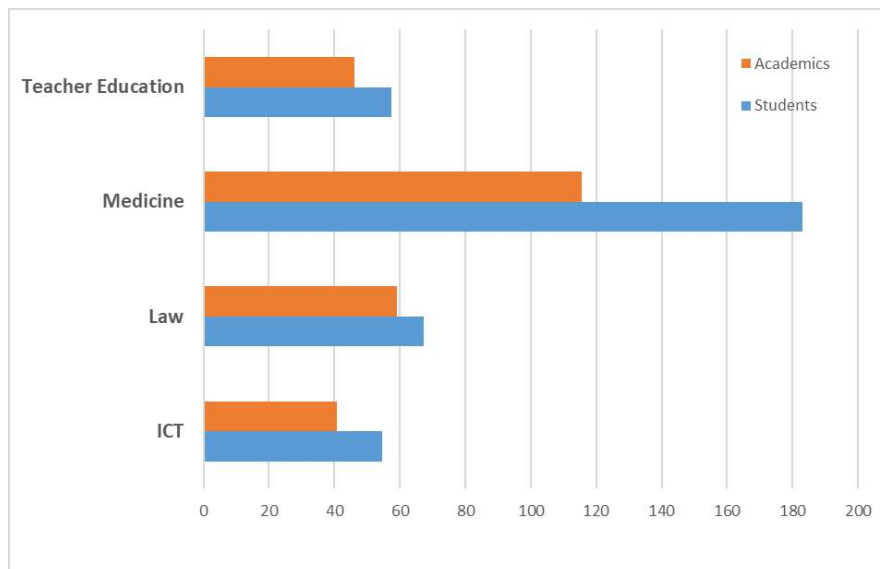
How many hours per WEEK did you spend (both CONTACT HOURS AND INDEPENDENT WORK) to complete all the requirements of the unit/course/module?

	Students	Academics
ICT	54,45	40,89
Law	67,23	59,17
Medicine	183,05	115,51
Teacher Education	57,44	46,10

Respondent reported directly the total number of hours per week (both contact hours and independent work)

14

Hours PER WEEK (both CONTACT HOURS AND INDEPENDENT WORK) to complete all the requirements of the unit/course/module



15

	%Academics saying YES to...		Students saying YES to...	
	When planning the workload for your unit/course/module, do you consider necessary to include hours for independent work of students?	Do you take students' expectations and evaluation into consideration when planning the workload for the course?	Have you been aware of the number of hours planned for the students for independent work in the unit/course/module?	Has the professor guided you at the beginning of the unit/course/module on the necessary workload for each part of the independent work?
ICT	83,00%	74,00%	56,66%	80,91%
Law	84,24%	93,94%	71,85%	95,55%
Medicine	85,40%	87,91%	62,41%	78,66%
Teacher Education	93,33%	100,00%	93,39%	98,51%

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Sample distribution

Academics

	ICT	Law	Medicine	Teacher Education	TOTAL
<i>Adamas University</i>		7			7
<i>GD Goenka University</i>			32	12	44
<i>Heritage Institute of Technology</i>	9				9
<i>I.I.S. University</i>				3	3
<i>International Institute of Information Technology, Bangalore</i>	10				10
<i>Jagran Lakecity University</i>	10	7		11	28
<i>King George's Medical University</i>			13		13
<i>Manipal Academy of Higher Education</i>	10		26		36
<i>PSG institution of Medical Sciences and Research</i>			13		13
<i>Savitribai Phule Pune University</i>		13		3	16
<i>University of Calcutta</i>	5				5
<i>Vinoba Bhave University</i>				4	4
TOTAL	44	27	84	33	188

Students

	ICT	Law	Medicine	Teacher Education	TOTAL
<i>Adamas University</i>		159			159
<i>GD Goenka University</i>			47	82	129
<i>Heritage Institute of Technology</i>	82				82
<i>I.I.S. University</i>				123	123
<i>International Institute of Information Technology, Bangalore</i>	30				30
<i>Jagran Lakecity University</i>	100	69		73	242
<i>King George's Medical University</i>			409		409
<i>Manipal Academy of Higher Education</i>	61		68		129
<i>PSG institution of Medical Sciences and Research</i>			223		223
<i>Savitribai Phule Pune University</i>		110		43	153
<i>University of Calcutta</i>	76				76
<i>Vinoba Bhave University</i>				54	54
TOTAL	349	338	747	375	1809