



THE STUDENTS, STAFF & MANAGEMENT OF



# ADITYA ENGINEERING COLLEGE(A)

Extends a Hearty Welcome to

Honorable Chairperson and  
Esteemed Members of  
NAAC Peer Team



Prof. Dilip Kumar Saikia  
Chairperson



Prof. Suresh ESM  
Member Coordinator



Prof. Maheshwar Sahu  
Member



Dr. M. Sreenivasa Reddy M.Tech., Ph.D.  
Principal



## ABOUT SOCIETY

### Aditya Academy



**Dr. N. Sesha Reddy**

M. A., B. L. I. Sc., L. L. B.

**Chairman, Ex. MLA, Ex. MLC**



**Dr. N. Satish Reddy**

MBA, MS, Ph.D.

**Vice-Chairman**



**Sri N Krishna Deepak Reddy**

M.Tech.

**Secretary**



38 Years of  
Legacy



60+  
Institutions

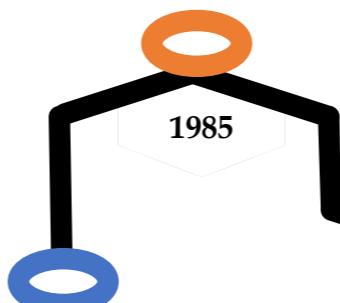


6000+  
Faculty Members



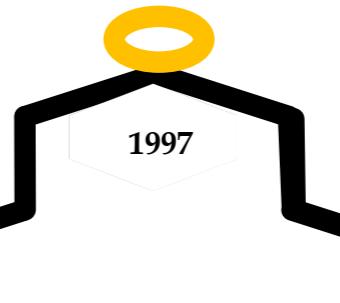
60000+  
Students

Aditya Schools (25)



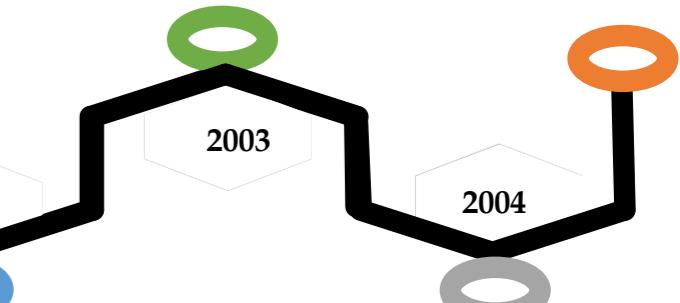
Inception 1984

Degree Colleges (16)



Aditya Junior Colleges (15)

Nursing Colleges (2)



Aditya Engineering College

Pharmacy College



## ABOUT THE INSTITUTION

**Year of Establishment** : 2001

**Established by** : Aditya Academy

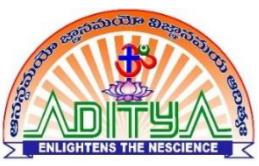
**Location** : Aditya Nagar, ADB Road, Surampalem, A.P.

### AICTE Approval (Current)

South-Central/1-10969492453/2022/EOA , Dated: 09 July 2022

- Permanently Affiliated to JNTUK
- UGC Recognition Under Section 2 (f) and 12 (B) in the year 2012
- NAAC Accreditation: 'A' Grade with 3.11 in the year 2015
- UGC Autonomous Status in the year 2017
- SIRO recognition in the year 2017
- ISO 9001:2015 Certification - 2021
- NABL Accreditation in the year 2021





# VISION, MISSION AND QUALITY POLICY

## VISION

To emerge as a premier institute for quality technical education and innovation

## MISSION

- Provide learner centric technical education towards academic excellence
- Train on technology through collaborations
- Promote innovative research & development
- Involve industry institute interaction for societal needs

## QUALITY POLICY

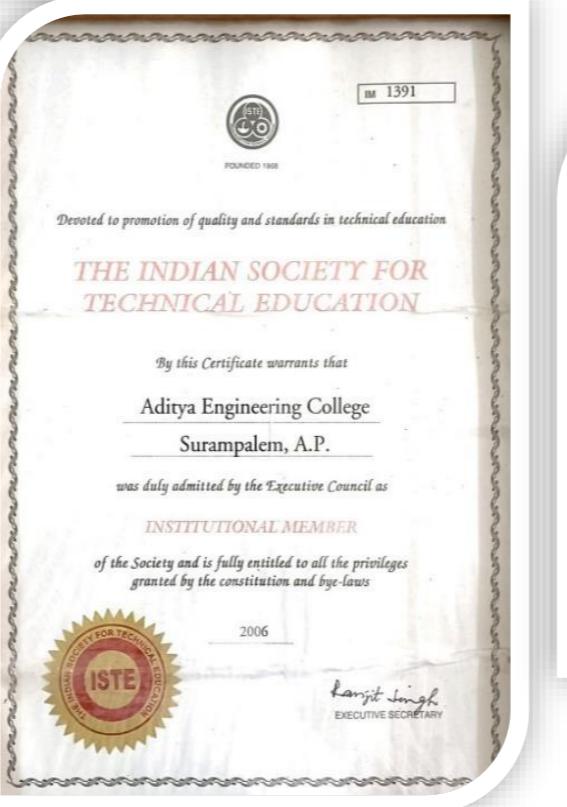
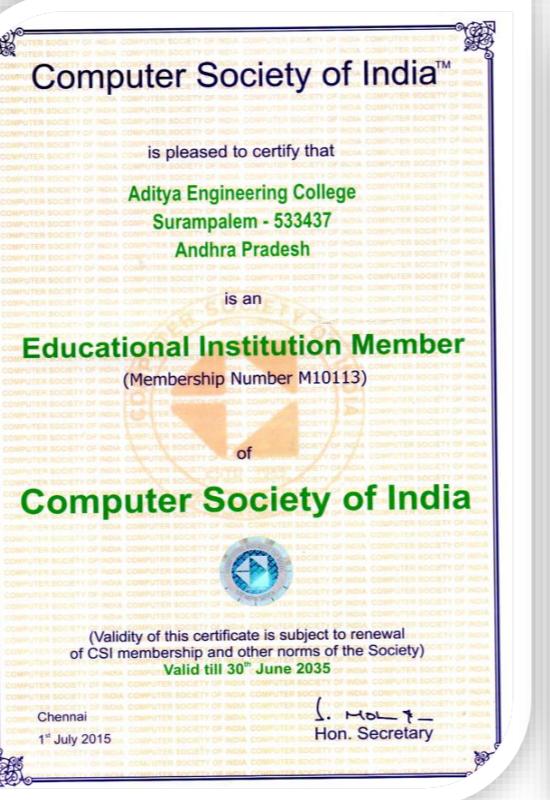
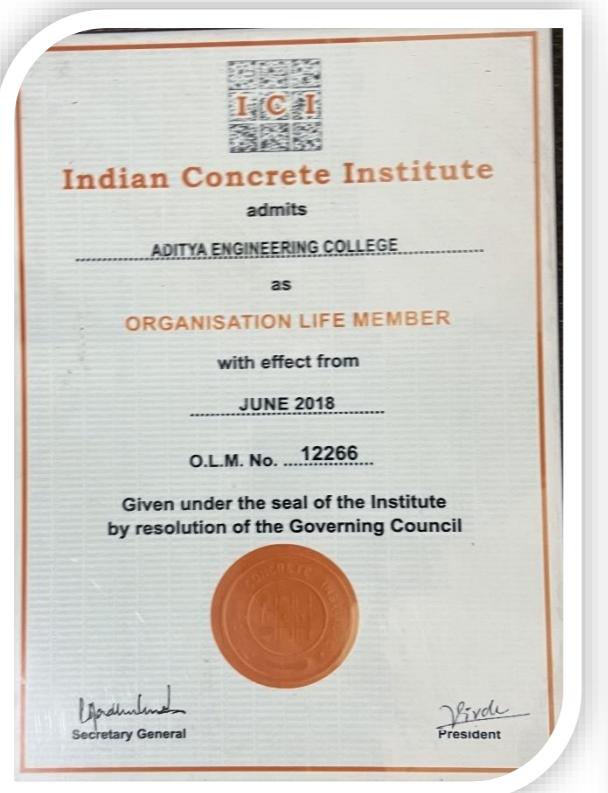
AEC is committed to create, sustain and improve the outcome based learning through Total Quality Management and make itself a place for scientific and technological center, with continual improvement and team work as its strengths for achieving it's Vision



# PROFESSIONAL MEMBERSHIPS

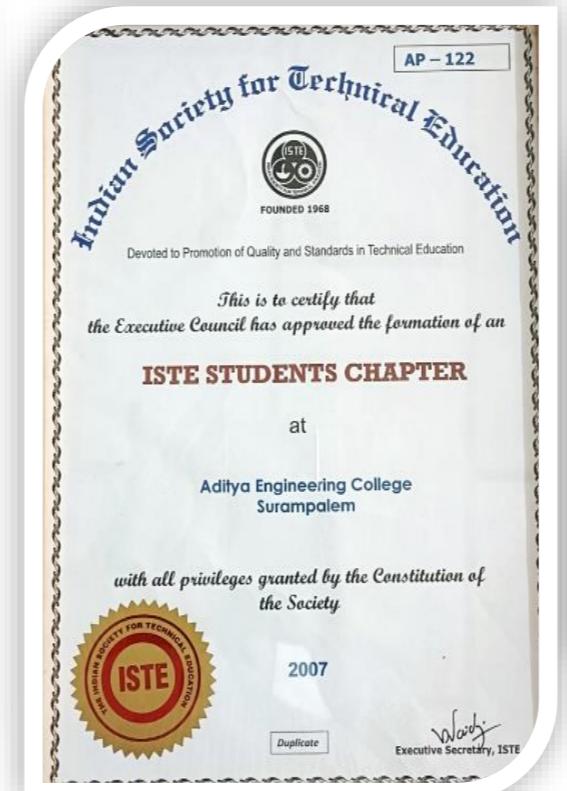
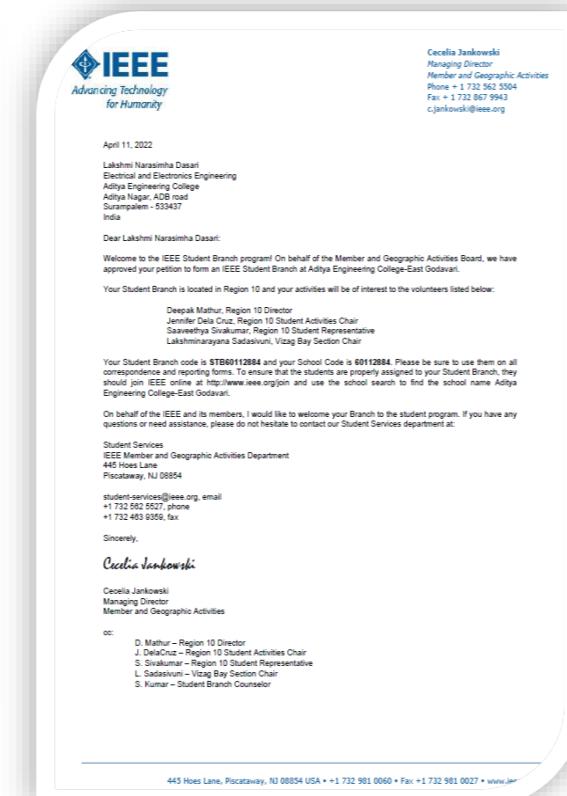
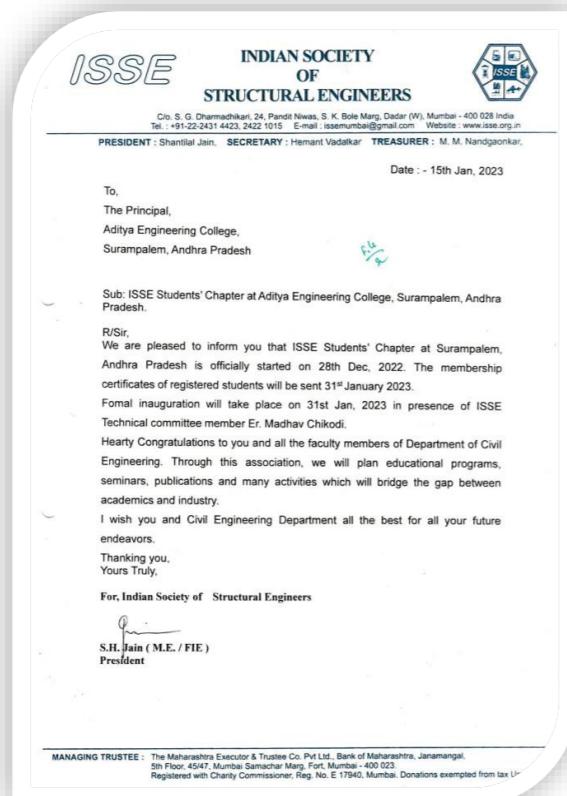
## Institutional Memberships

- ICI
- CSI
- ISTE
- IE
- IETE



## Student Chapters

- ISSE
- IEEE
- ISTE
- SAE





## PROGRAMS OFFERED (2022-23)

### UG Programs

S.No.	Program	ESTD	Intake
1	B.Tech - Electronics and Communication Engg.	2001	240
2	B.Tech - Computer Science and Engineering		180
3	B.Tech - Information Technology		120
4	B.Tech - Electrical and Electronics Engineering	2002	60
5	B.Tech - Mechanical Engineering	2004	60
6	B.Tech - Civil Engineering	2009	60
7	B.Tech - Petroleum Technology	2011	30
8	B.Tech - Mining Engineering	2014	30
9	B.Tech - Agricultural Engineering		60
10	B.Tech - AI&ML	2021	180
11	B.Tech - CSE (Data Science)	2022	60
Total			1080

Total Intake (UG + PG) : 1518

### PG Programs

S.No.	Program	ESTD	Intake
1	MCA- Master of Computer Applications	2004	60
2	MBA – Master of Business Administration		240
3	M.Tech – VLSI Design		12
4	M.Tech – Computer Science & Engg.		18
5	M.Tech – Power Electronics & Drives	2012	12
6	M.Tech – Thermal Engineering		12
7	M.Tech – Structural Engineering		12
8	M.Tech – Petroleum Engineering		12
9	IMBA – Integrated MBA	2018	60
Total			438

No. of students on Roll : 5187



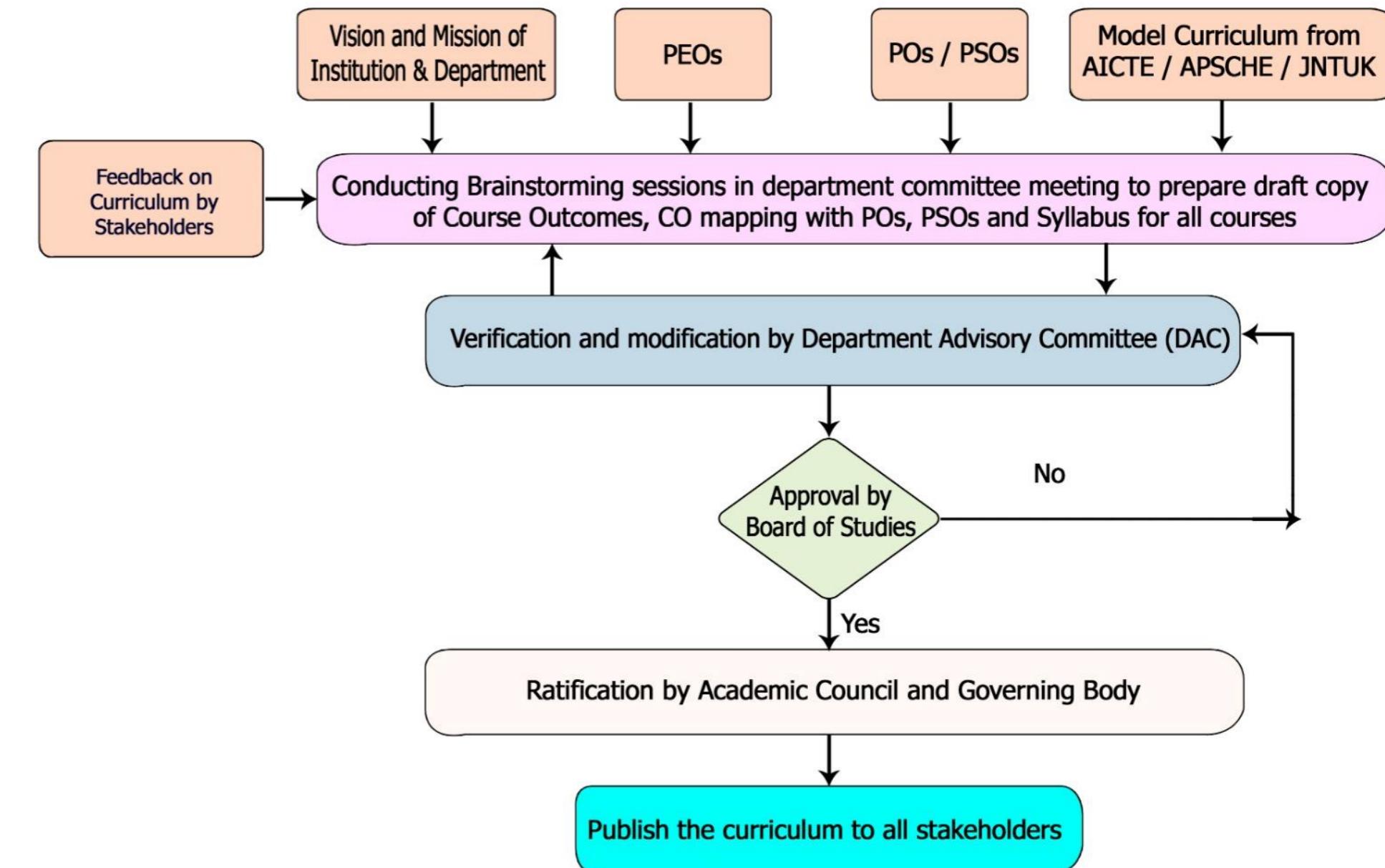
## CRITERION 1

### CURRICULAR ASPECTS



# CURRICULUM DESIGN AND IMPLEMENTATION

- The model curriculum proposed by AICTE, APSCHE, and affiliating university,
- Graduate attributes designed by various accreditation agencies,
- Well defined PEOs, POs, and PSOs in alignment with the OBE philosophy,
- Inputs from Stakeholders/Industry Experts, are considered for the development and revision of the curriculum.
- Undertakes syllabus revision once in 3 years.





## NEP PREPAREDNESS

- Introduced **Multidisciplinary/Inter-disciplinary** courses.
- Inclusion of **5 Skill oriented courses** in the curriculum
- **Skill development programs** are conducted through internal training division as well as external collaboration.
- Inclusion of Professional Ethics & Human Values, IPR & Patents, Environmental Science, Constitution of India, Essence of Indian Traditional Knowledge, Biology for Engineers and Research Methodology as **mandatory courses**.
- Implementing **OBE**.
- Students enrollment in **SWAYAM/MOOCs**.
- Registered with **National Academic Depository(NAD)**.



## ACADEMIC FLEXIBILITY

- CBCS/ Elective system is implemented across all the programs.
- Two **Mandatory Summer Internships** and one **Full Semester Internship(FSI)** to give Industry exposure.
- Provision for completing courses through **MOOCs**.
- Provision for completing the skill-oriented courses through **certification programs** offered by industries/Professional bodies/APSSDC etc.
- Provision of **Gap-year** to take a break of one year to pursue entrepreneurship full time.

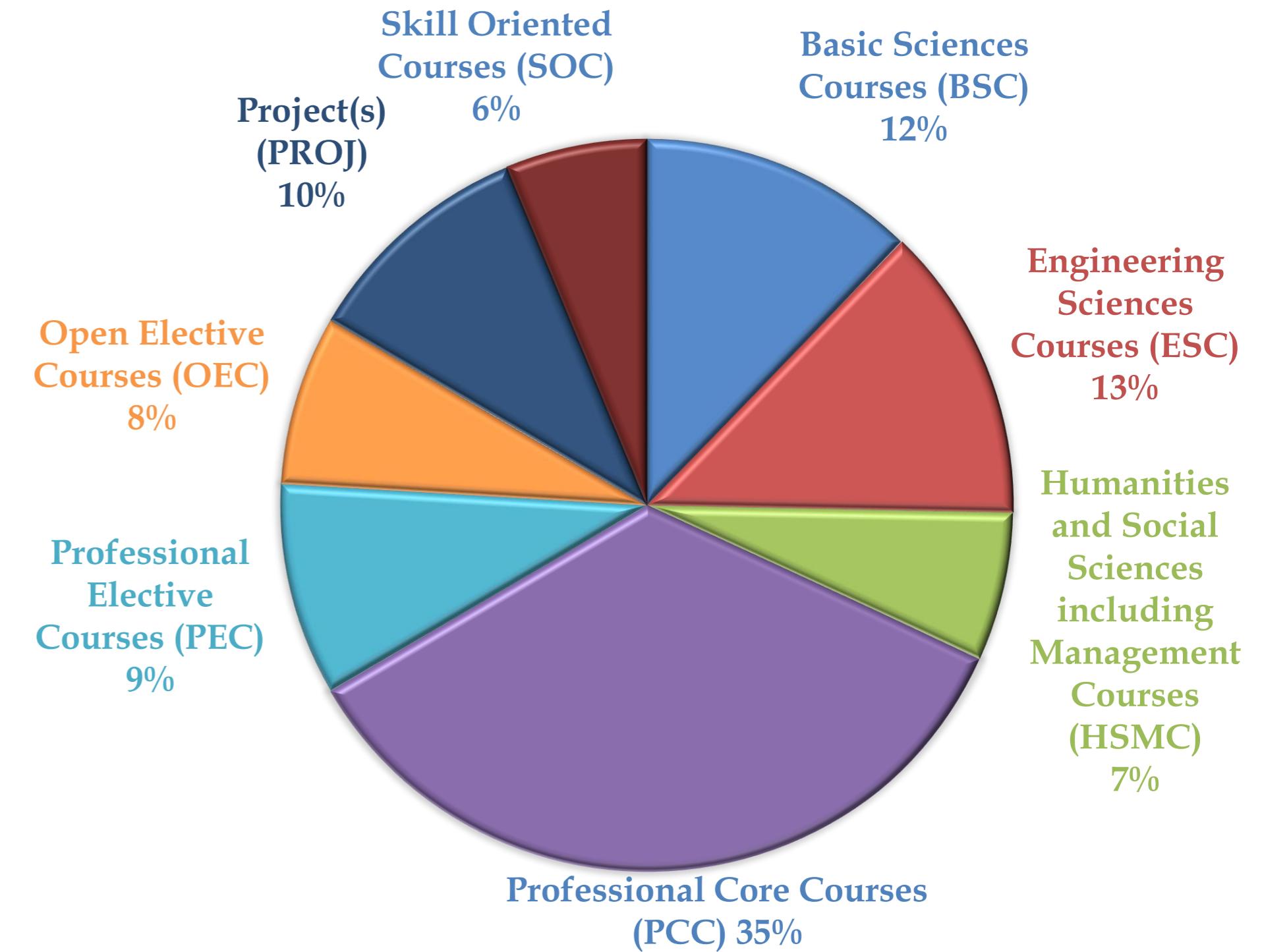
### New Courses offered across all programs

S.No.	Academic Year	Number of New Courses
1	2021-2022	127
2	2020-2021	153
3	2019-2020	231
4	2018-2019	102
5	2017-2018	130

## Environment & Sustainability, Ethics & Human Values

**Curriculum: 160 Credits**

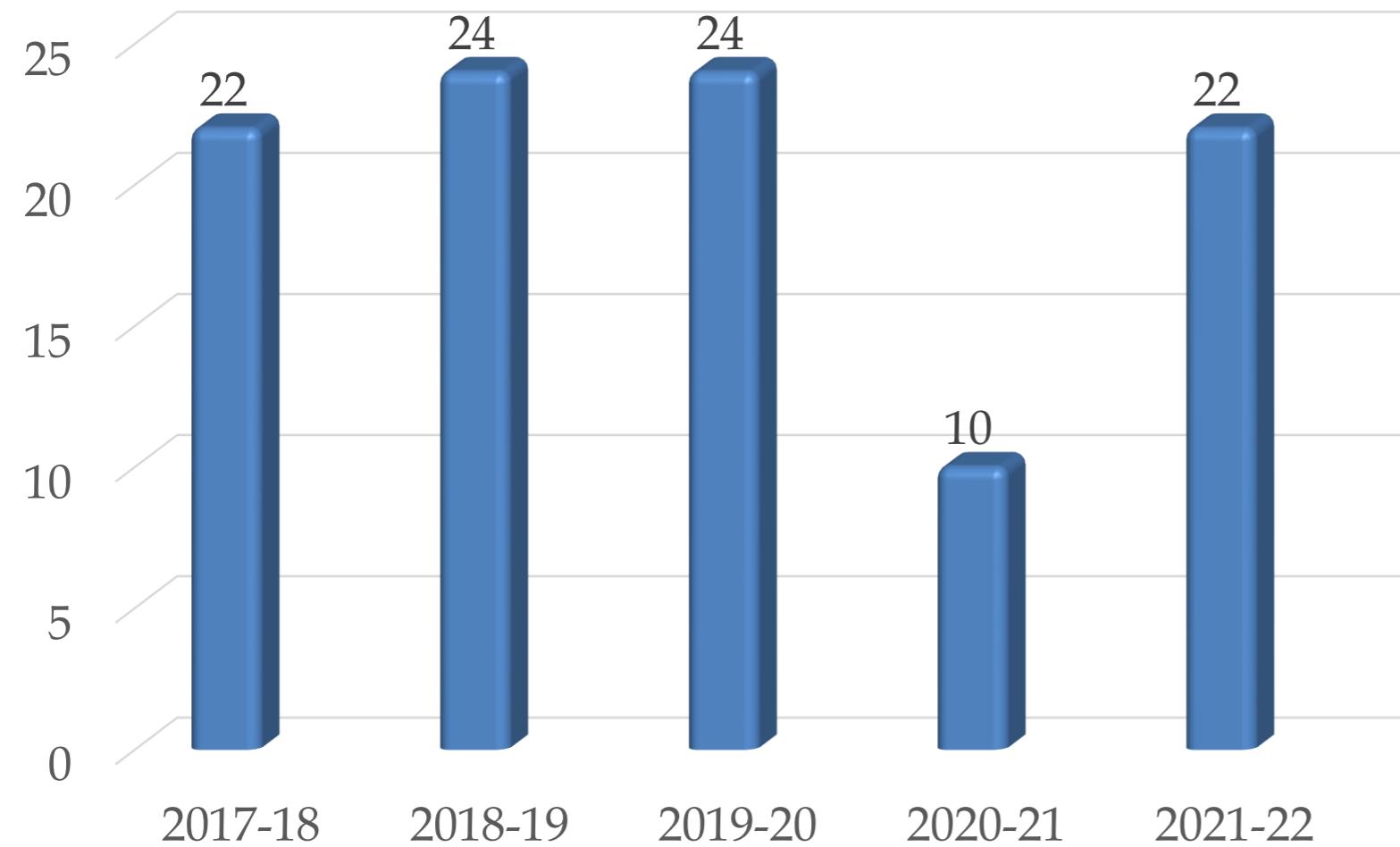
- 34 Courses offered on Environment and Sustainability
- 7 Courses are offered in Ethics and Human Values
- 75% of Students undertake field projects/internship
- 102 Value added courses offered during the last 5 years



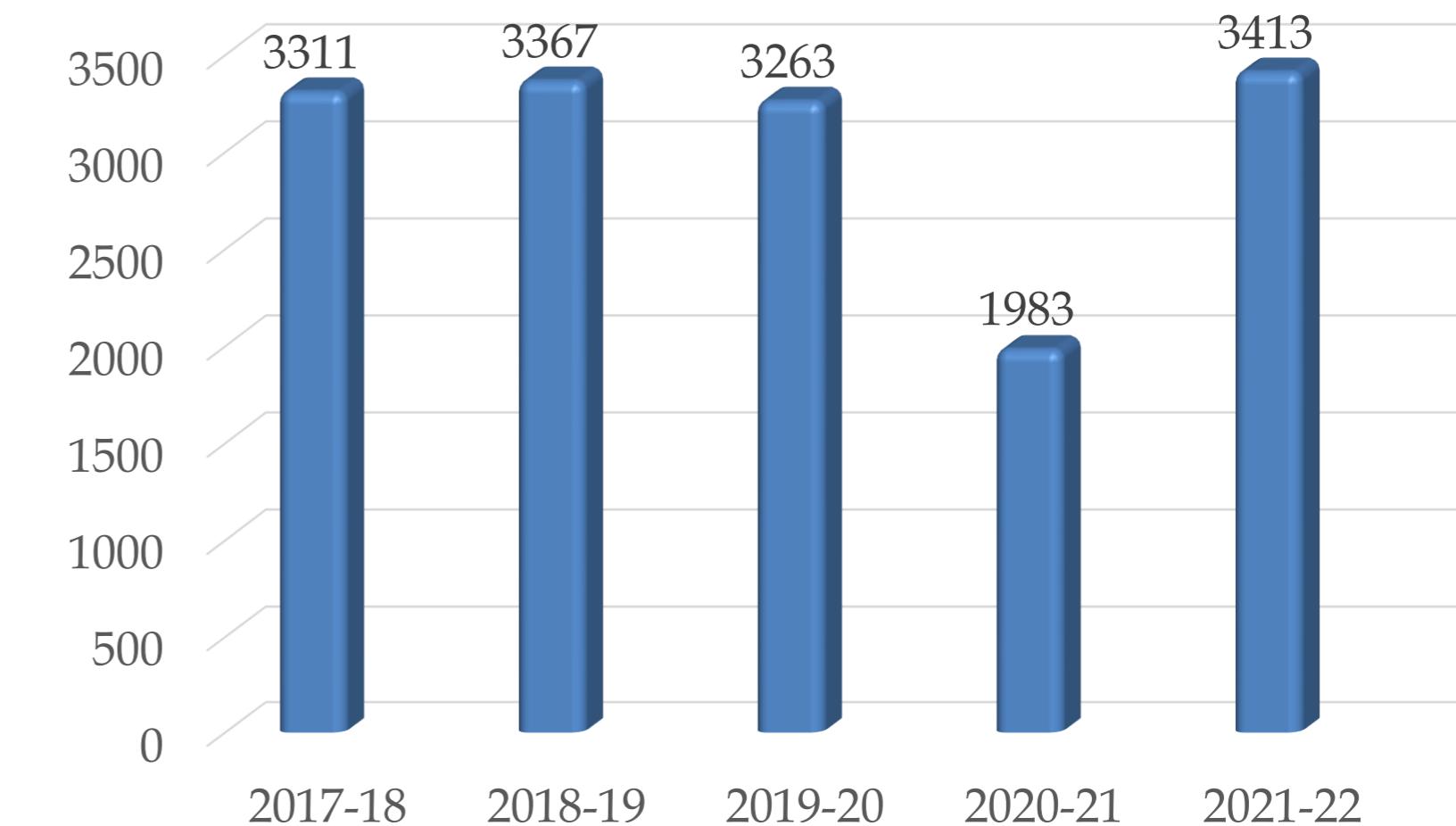


## VALUE ADDED COURSES

No. of Value Added Courses



Number of Students Benefited







## CRITERION 2

### TEACHING-LEARNING AND EVALUATION



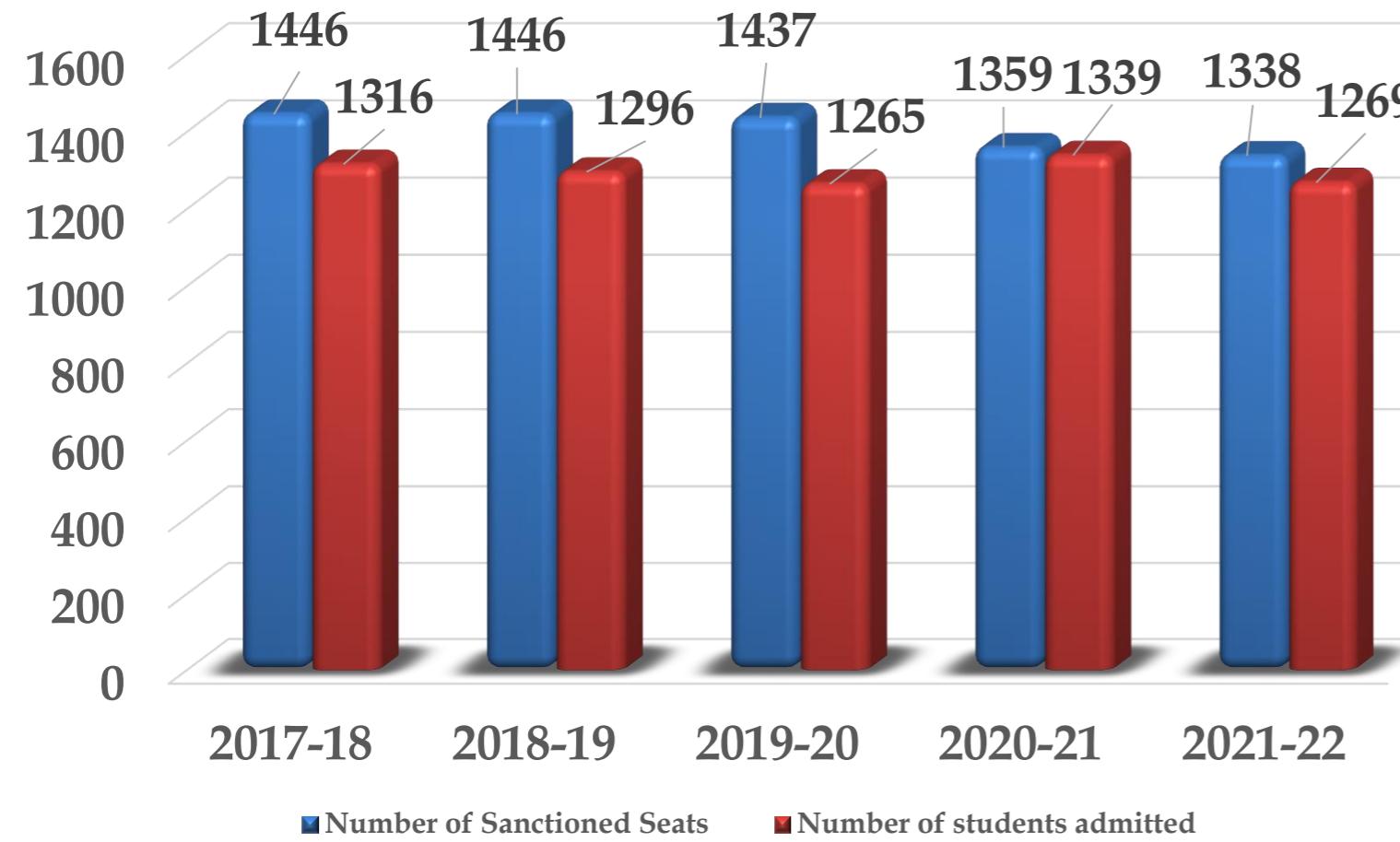
## STUDENT ENROLMENT

- Transparent system for **admissions** as per the Andhra Pradesh state government rules.
- Admission is based on the qualifying **entrance examinations** conducted by the state government (EAPCET, E-CET, PGECET, ICET).
- **Reservation policy** followed as per the government norms for SC / ST / OBC / Divyangjan / EWS.
- Students from **19 different States and 8 different Countries**.

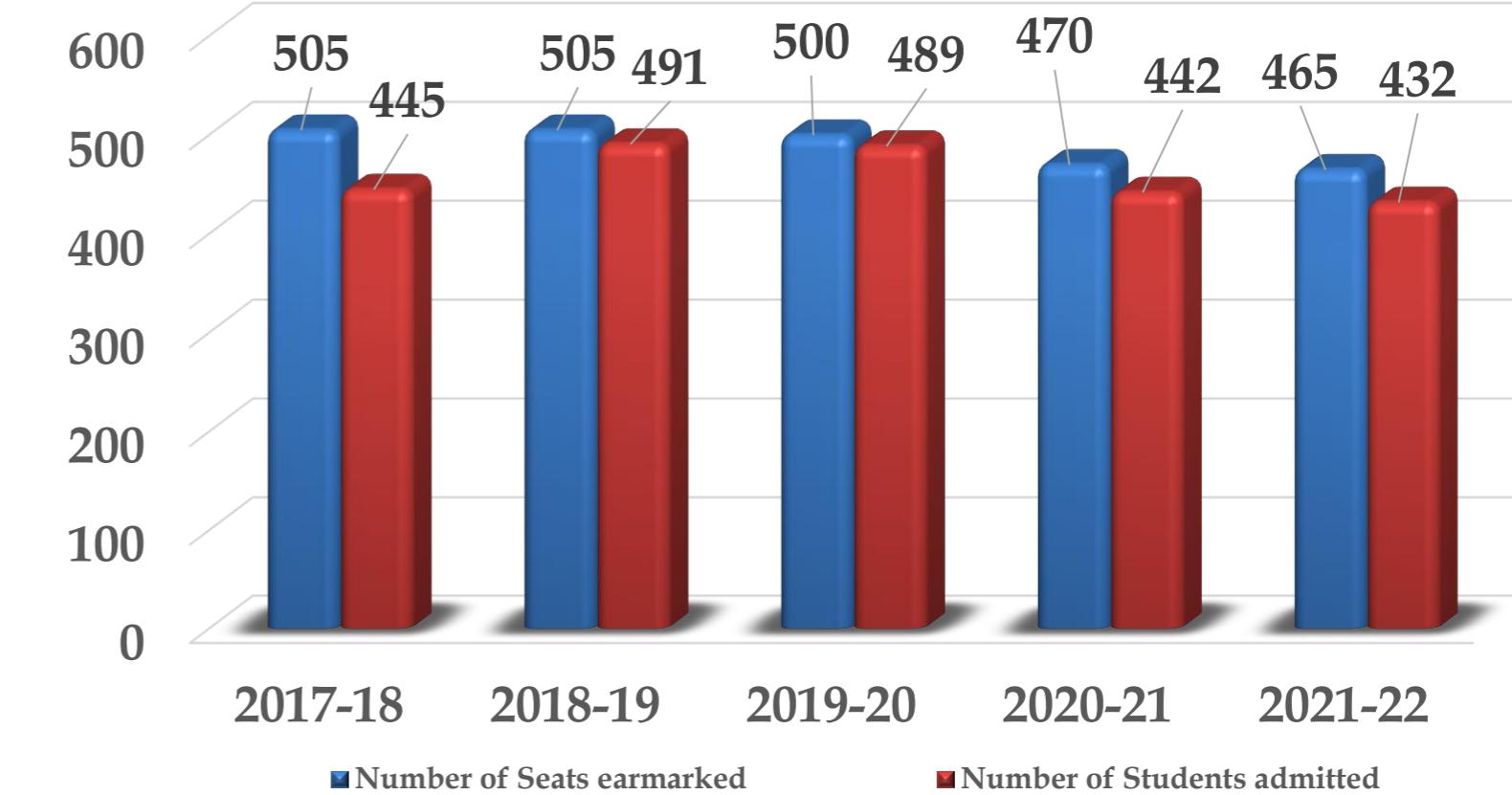


# STUDENT PROFILE

Average Enrolment Percentage



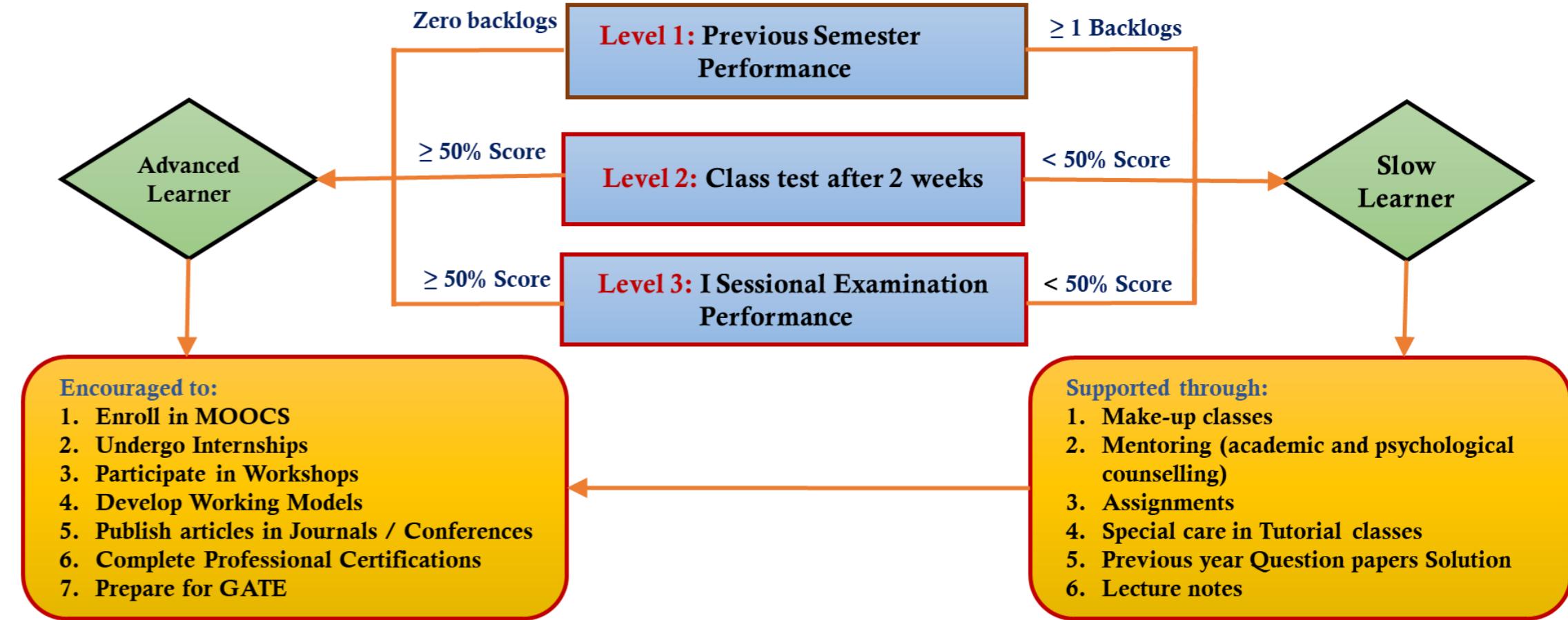
Average percentage of seats filled against reserved categories



Academic Year	2017-18	2018-19	2019-20	2020-21	2021-22
Average Enrolment (%)	91.01	89.63	88.03	98.53	94.84
Average seats filled against reserved categories (%)	88.12	97.23	97.8	94.04	92.9

- Orientation and induction programs.
- Bridge courses offered for students from diverse backgrounds.
- Makeup classes for slow learners.
- Mentoring system.
- MOOCs, Internships, Article publication, Workshop participation, for advanced learners.
- In-house training programs for various professional certifications.

## Support System for Slow and Advanced Learners

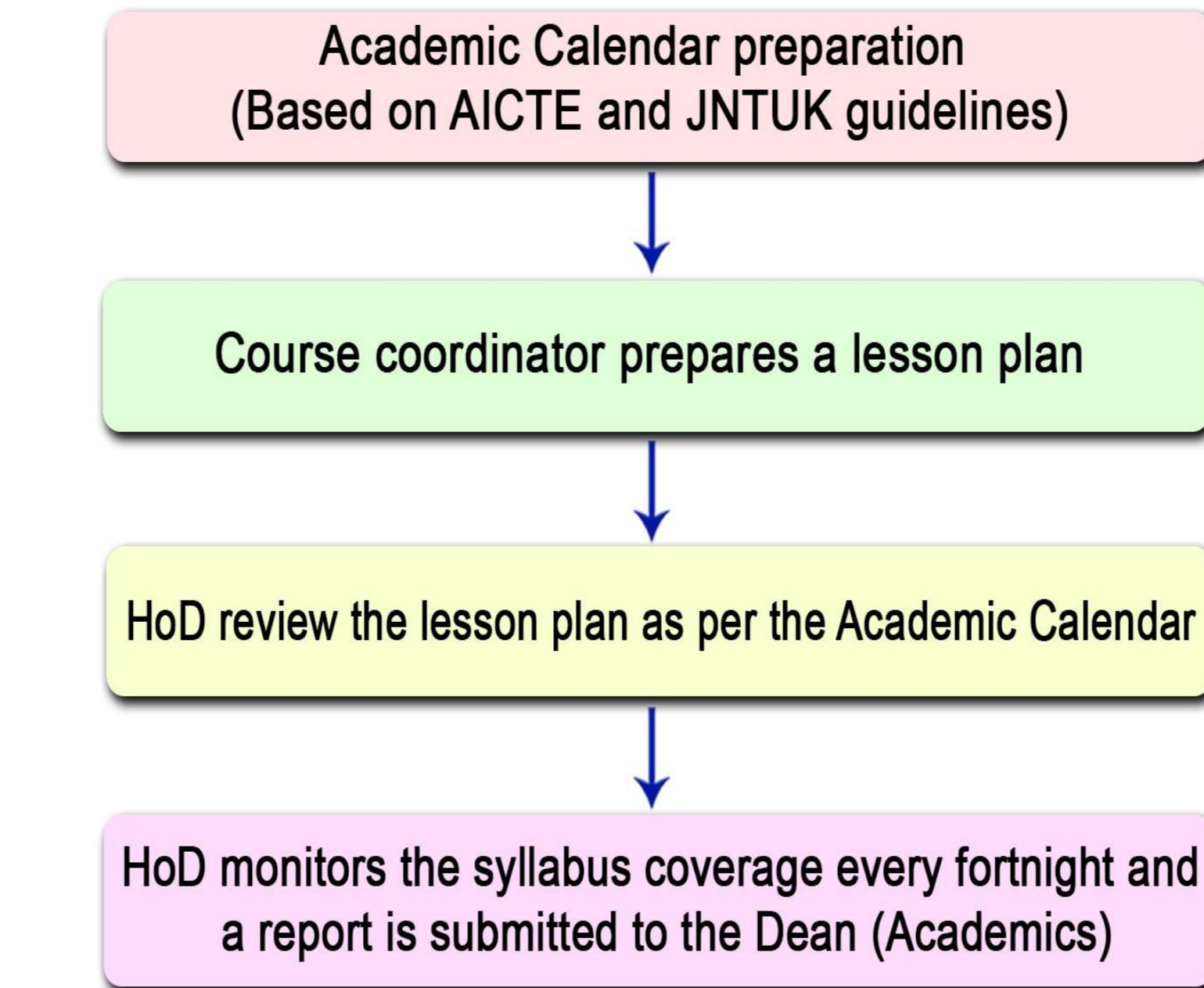


Mentor - Mentee ratio (2021-22) - 1 : 19

Certifications offered for advanced learners : [View](#)



# PREPARATION AND ADHERENCE TO ACADEMIC CALENDAR





# TEACHING LEARNING PROCESS

## EXPERIENTIAL LEARNING

Industrial Visit / Field Visit

Workshops

Prototype Models

Practical Demonstration

Virtual laboratory

## PARTICIPATIVE LEARNING

Student Seminar

Role play

Flipped class room

Quiz

Skill Development programme

## PROBLEM SOLVING METHODS

Think Pair Share / Tutorial classes

Assignments

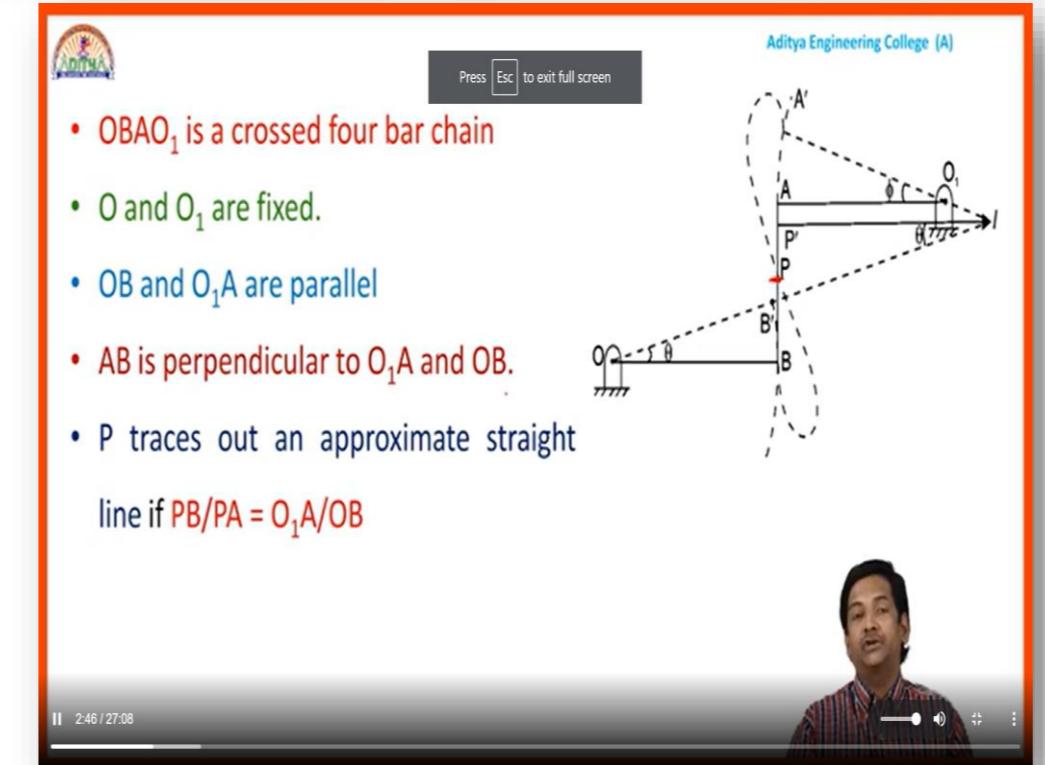
Project based learning

Internship



# ICT ENABLED RESOURCES

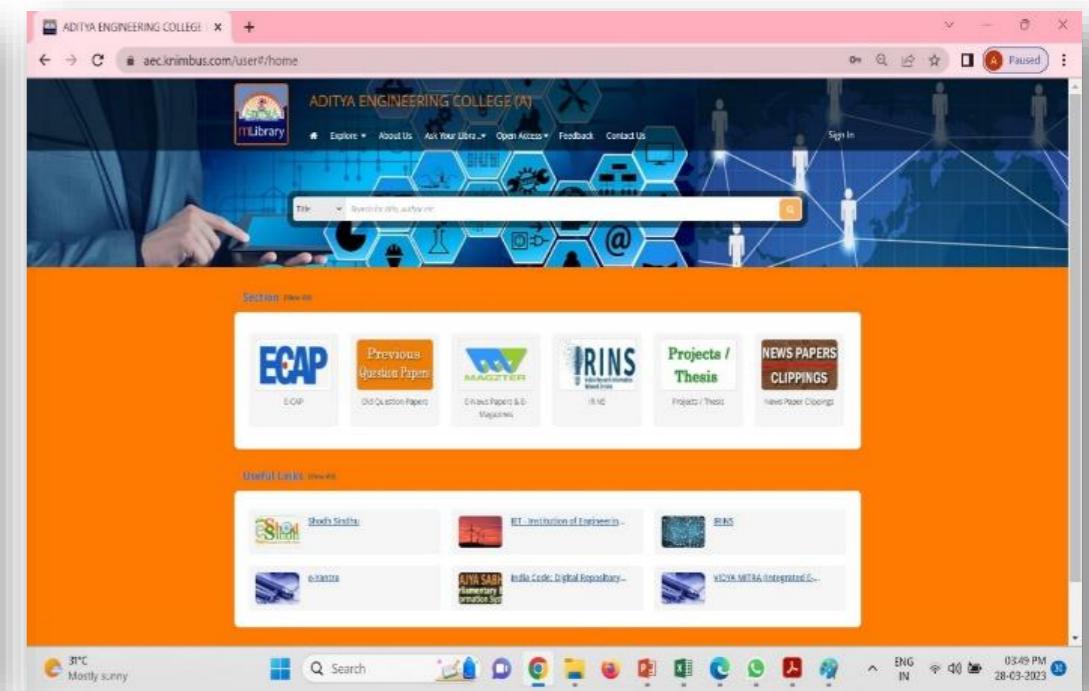
- Wi-Fi Enabled Classrooms with LCD Projectors
- Microsoft Teams for conducting online classes
- Virtual labs
- Spoken Tutorial (NMEICT of IIT Bombay )
- MOOC's
- Digital library
- Remote Access to library resources through KNIMBUS
- e-content by faculty
- E-resources :Delnet, Inflibnet, N-list



## Digital Content by Faculty



## Wi-Fi Enabled Classrooms



## e-Learning Resources



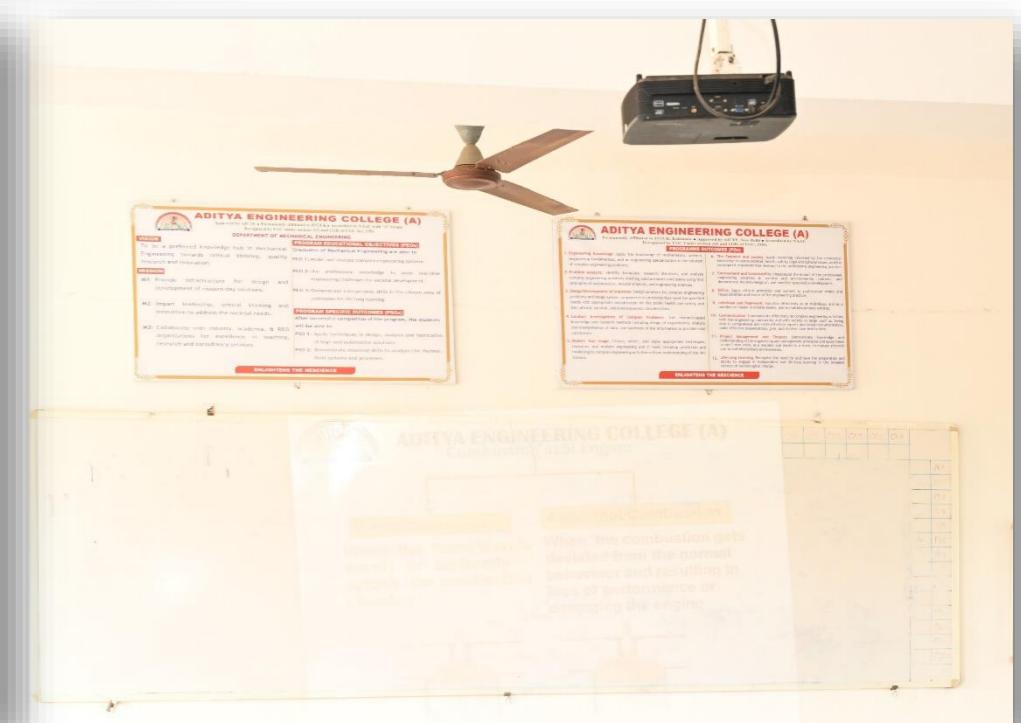
# DISSEMINATION OF VISION, MISSION, POs, PEOs & PSOs

Vision and Mission of the Institution & Departments, Program Educational Objectives (PEOs), Programme Outcomes (POs), and Program Specific Outcomes (PSOs) are available in the following locations and documents:

- Website
- Laboratories
- Classrooms
- Department Corridors
- Syllabus Books
- Student Attendance Registers
- Lab Manuals
- Lab Records
- Project Reports

The screenshot shows the website for ADITYA Engineering College. The header includes the college logo and links for Home, About Us, Academics, Research, Examinations, Placements, Campus life, IQAC, NIRF, Alumni, Infrastructure, and Downloads. A banner for 'COMPUTER SCIENCE ENGINEERING' features the text 'Makes our World Smaller & our Future Brighter'. Below the banner, there's a photo of students working on computers. A sidebar for 'Department of Computer Science & Engineering' contains a 'PROGRAM OUTCOMES' section with three items: PO1, PO2, and PO3. To the right is a 'Quick Links' sidebar with links to About, Our Vision, Our Mission, Programmes offered, PEO, PSO, and Board of Studies.

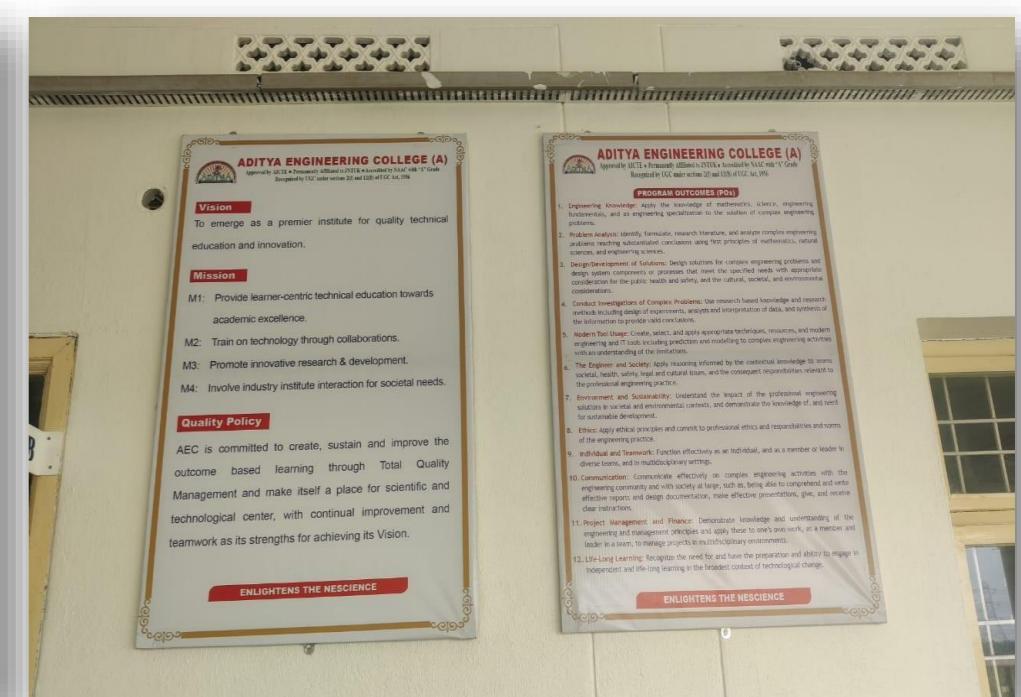
## Institute website



## Class rooms



## Laboratories

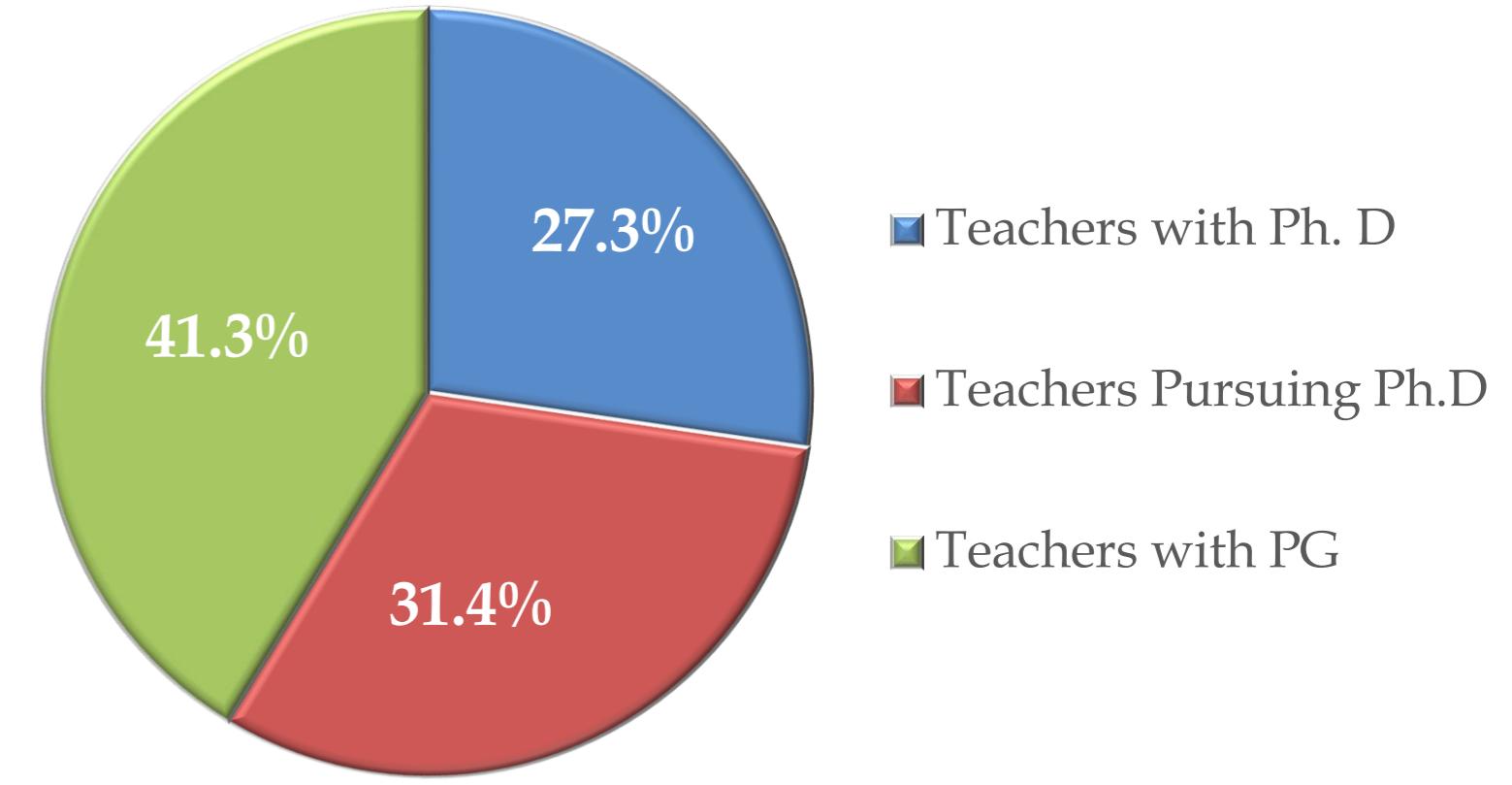


## Department Corridors



## TEACHERS PROFILE

S.No.	Category	Number
1	Full Time Teachers	293
2	Teachers with Ph. D	80
3	Teachers Pursuing Ph.D	92
4	Teachers with PG	121
5	Average Teaching Experience	8.1 Years



S.No.	Designation	Number
1	Professors	41
2	Associate Professors	71
3	Assistant Professors	181

S.No.	Gender	Number
1	Male	204
2	Female	89



## FACULTY ACHIEVEMENTS

- ₹ 28.972 lakhs research grant received from various bodies
- 976 Peer reviewed Papers published in various reputed journals
- 39 Book Chapters Published
- 22 Books Published
- 116 Patents published and 3 granted
- 763 certifications through MOOCs as a part of continuous learning.
- 11 Faculty acting as BOS members for JNTUK and various reputed Institutions.
- 32 faculty members acting as editors /reviewers in referred journals.



# IT INTEGRATION AND REFORMS IN EXAMINATION PROCEDURE

- Examination Management System has been completely automated.
- All examination activities are managed through Examination Management System integrated to Bees Examination Tool (BET).
- Digital valuation system for CIE and SEE.
- Results are processed and published within 10 days.
- Faculty members from IITs, NITs and reputed institutions are included in the pool of paper setters/evaluators.
- Biometric access prohibits unauthorized access into the confidential section of the Examination center

The screenshot shows a handwritten answer script for a question about Just-in-time manufacturing. Below it is a digital valuation grid for a subject. The grid columns include Section, Q.No, Max Marks, and Marks. The rows correspond to different units and sections of the exam.

SECTION	Q.NO	MAX MARKS	MARKS
UNIT - I	1(E)	6.00	
UNIT - I	2(E)	6.00	
UNIT - I	2(E)	6.00	
UNIT - II	3(E)	6.00	
UNIT - II	3(E)	6.00	
UNIT - II	4(E)	6.00	
UNIT - II	4(E)	6.00	
UNIT - III	5(E)	6.00	
UNIT - III	6(E)	6.00	
UNIT - III	6(E)	6.00	
UNIT - IV	7(E)	6.00	
UNIT - IV	7(E)	6.00	

Digital Valuation System (DVS)

The screenshot displays the BET software interface. On the left, there's a sidebar with icons for Pre-Examination, Post-Examination, Utilities & Exam Account, and Help. The main window shows a 'Result Processing' grid with columns for Sl, Sem, R/S, MonthYear, Int, Ext, Proc, Conf, and Ded. The grid lists various exam details like Exam Type (R), Course (B.TECH), Curriculum (AR17), Batch (2017 - 2018), Semester (I SEMESTER), Month/Year (November 2017), and more. At the bottom, there are buttons for PROCESS RESULT, PRINT CHECKLIST, and RAW CHECKLIST.

24

## Result Processing



## EXAMINATION RELATED GRIEVANCES

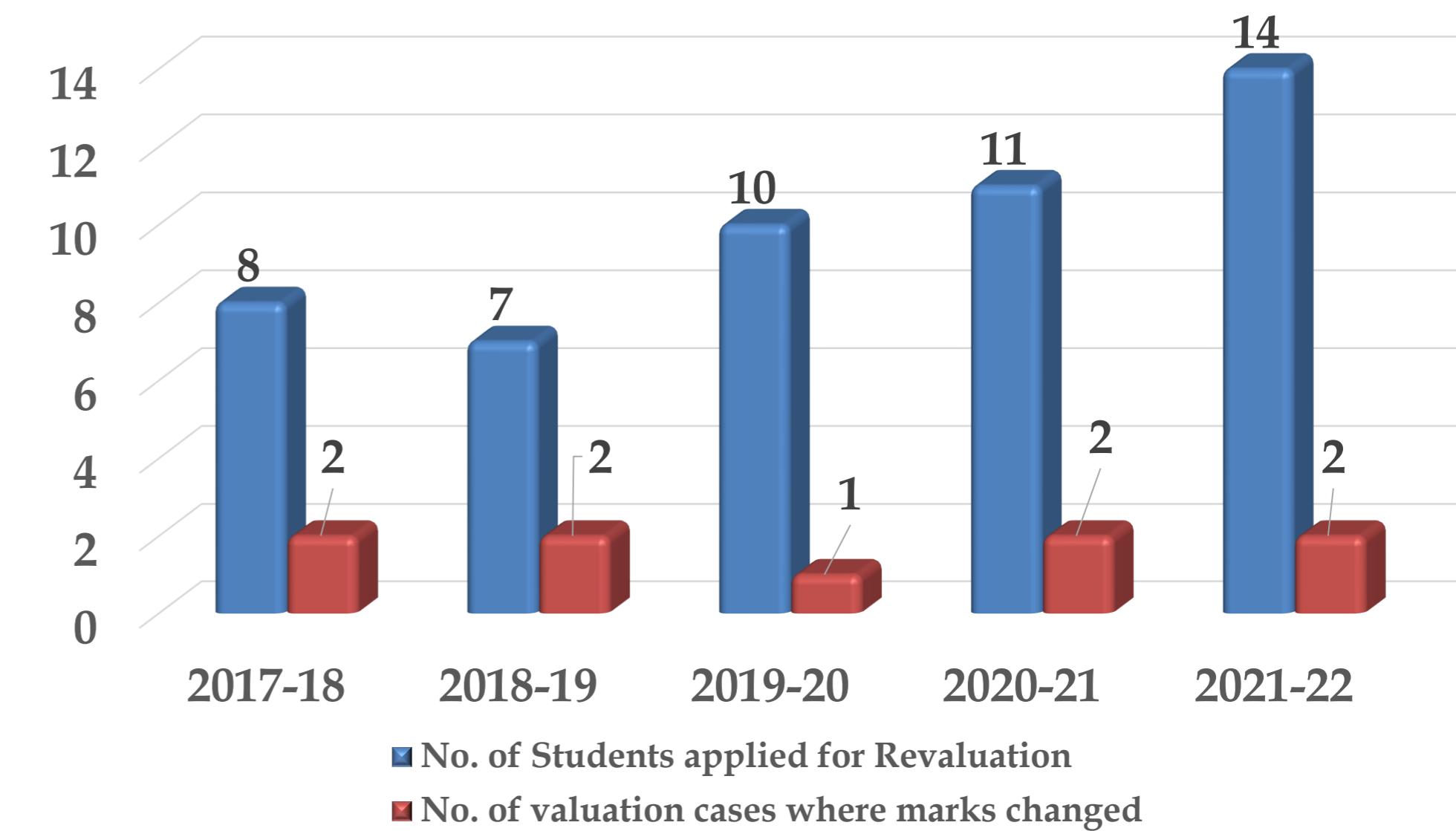
### Continuous Internal Evaluation (CIE)

1. The CIE is conducted at the department level.
2. Any discrepancy, after script viewing is brought to the notice of the faculty concerned and resolved.

### Semester End Examination (SEE)

1. The SEE is conducted at the college level by CoE.
2. Any reported grievance after the result publication of SEE is resolved as per the examination policy.

### Number of complaints / grievances about evaluation in SEE



Average Percentage : 0.21%

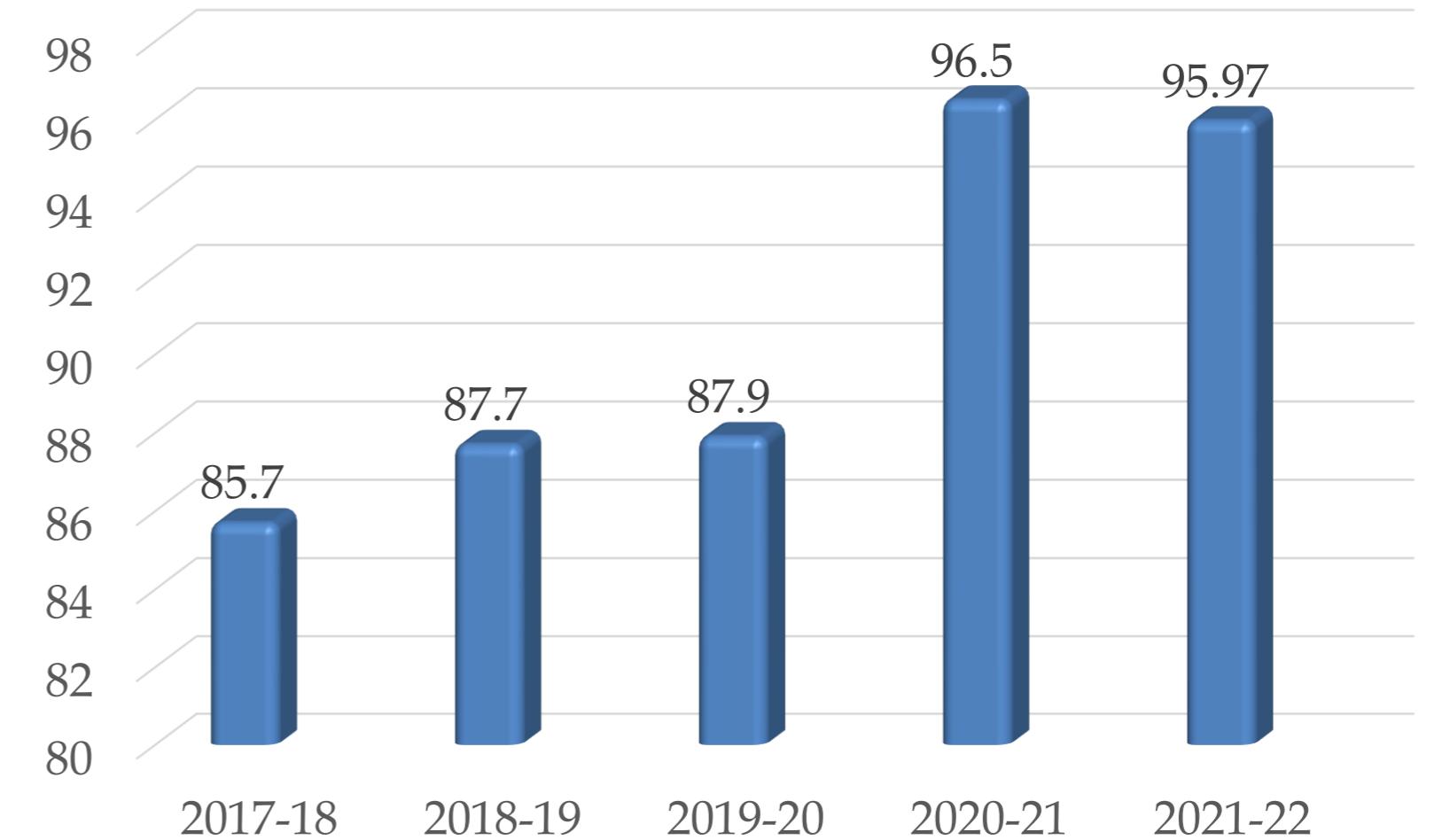


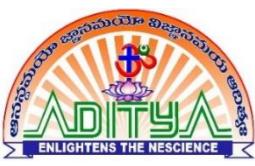
# STUDENTS PERFORMANCE AND LEARNING OUTCOMES

## Pass percentage of graduated students

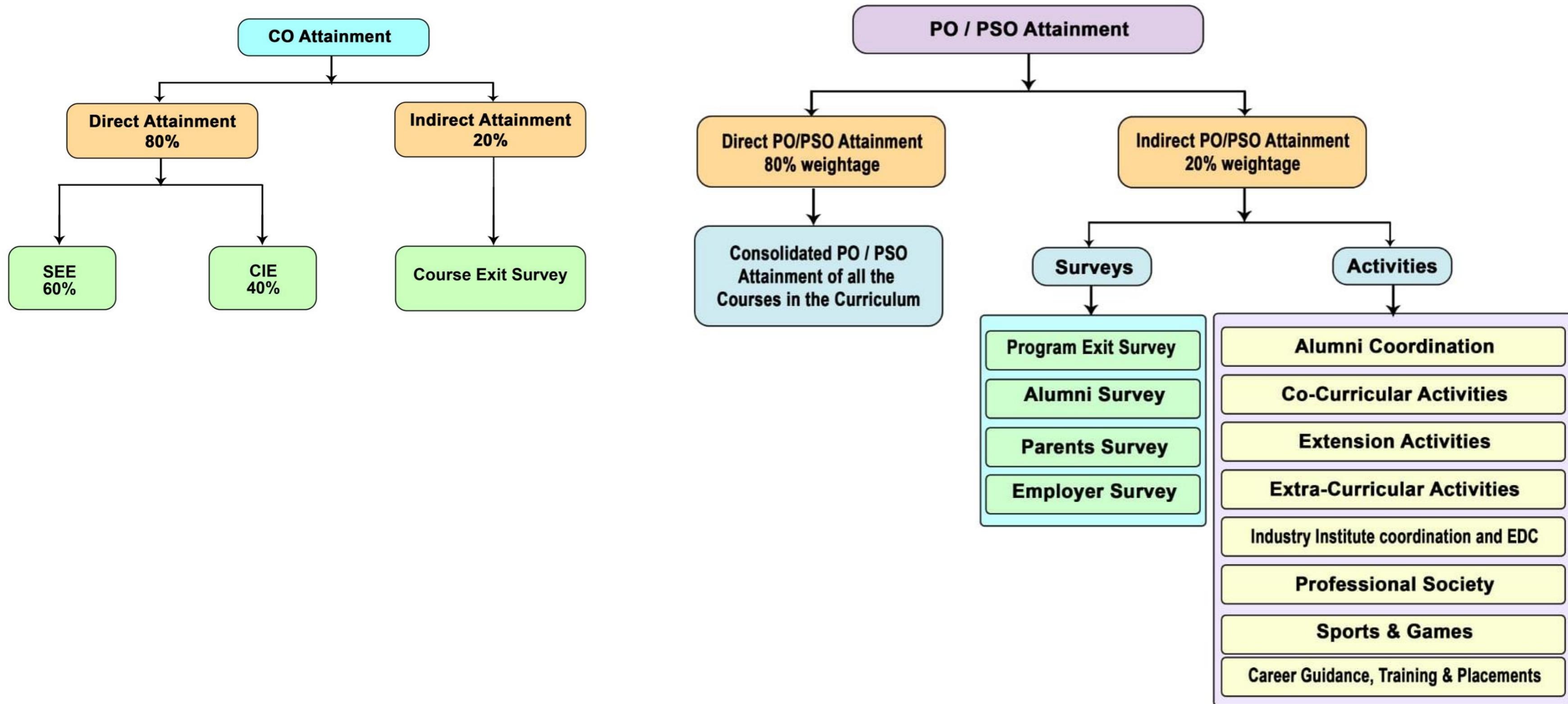
Academic Year	No. of Students Appeared	No. of Students Passed
2021-22	1242	1192
2020-21	1328	1282
2019-20	1222	1074
2018-19	1267	1111
2017-18	1277	1095

Pass Percentage (%)





# ATTAINMENT PROCESS





# FINAL- PO / PSO ATTAINMENT ACADEMIC YEAR: 2021 - 2022

Programme : B. Tech (ECE)  
Batch : 2018-22

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Direct attainment	2.41	2.16	2.11	2.15	2.28	2.06	2.17	2.33	2.47	2.41	2.02	2.15	2.18	2.26
Indirect attainment	2.39	2.47	2.62	2.45	2.58	2.58	2.15	2.33	2.47	2.39	2.47	2.16	2.55	2.59
Overall PO attainment	2.41	2.22	2.21	2.21	2.34	2.16	2.17	2.33	2.47	2.41	2.11	2.15	2.25	2.33
Target	2.38	2.12	1.96	2.08	2.13	2.06	2.01	2.33	1.98	2.15	1.87	1.92	2.35	2.25



### CRITERION 3

## RESEARCH, INNOVATION AND EXTENSION



## PROMOTION OF RESEARCH AND FACILITIES

- Well defined **policy** for promotion of research.
- Equipped **laboratories** enabling the faculty and students to carry out research.
- **Continuous augmentation** of labs with latest equipment and software.
- **5 Research centers** (EEE, ME, ECE, CSE and PT) recognized by JNTUK.
- **Awareness programs** on research and development organized for faculty and students.
- **Incentives** to faculty for publishing articles in journals / presenting papers in conferences.
- Provided technical and financial support for **patenting ideas**.
- Anti-plagiarism software **iThenticate** provided for checking similarity index.
- **Seed money** to the tune of ₹ 68.74 lakhs provided to the faculty during the last 5 years.
- Organized 2 **International Conferences(CE & ECE)** in last 2 years and one IEEE conference is scheduled in June-2023.



## RESOURCE MOBILIZATION FOR RESEARCH

### Seed Money and Research Incentives Sanctioned

A.Y	2017-18	2018-19	2019-20	2020-21	2021-22
Seed Money Amount (INR in Lakhs)	8.93	11.7	26.28	10.15	11.68
Research Incentives Amount (INR in Lakhs)	3.84	3.62	3.88	3.02	9.84

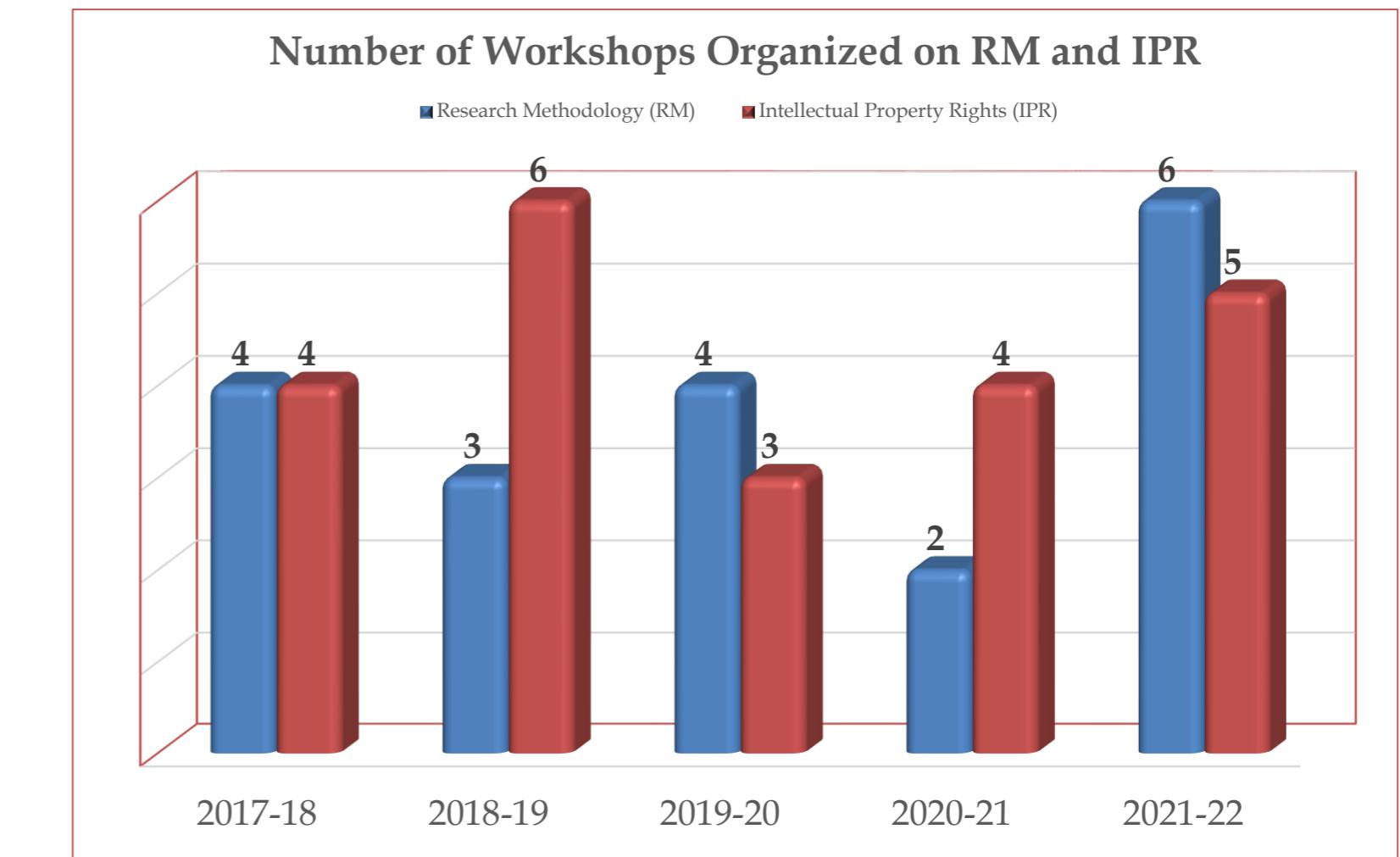
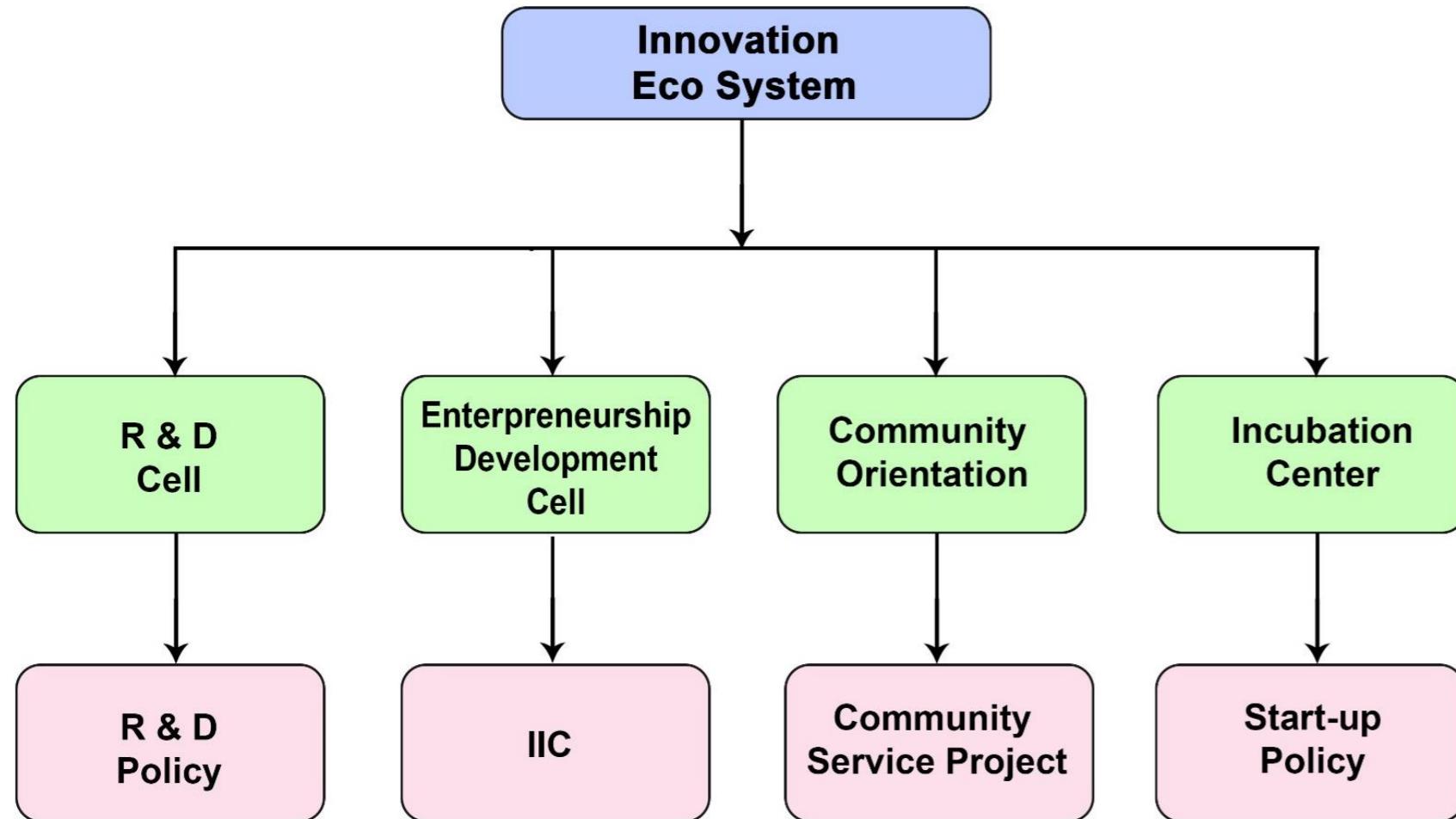
### Revenue Generated through Consultancy

S. No	Academic Year	Amount Generated (INR in Lakhs)
1	2021-22	16.67
2	2020-21	34
3	2019-20	28.29
4	2018-19	15.24
5	2017-18	18.85

**27 Faculty are recognized as research guides who are guiding 45 scholars**

Research Policy : [View](#)

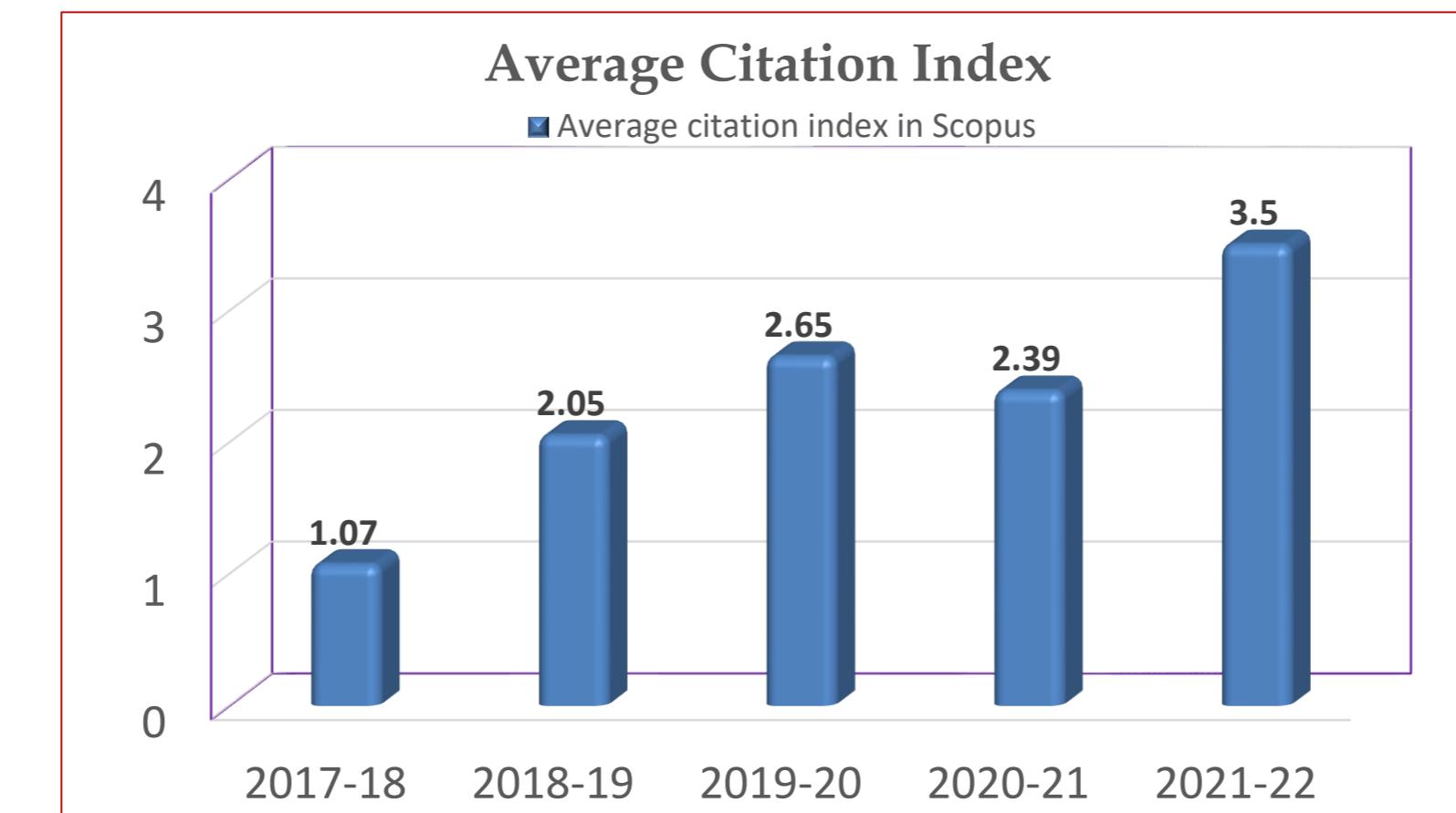
# INNOVATION ECOSYSTEM

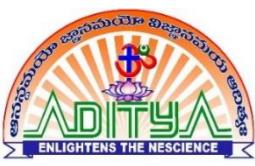


# INNOVATION ECOSYSTEM

Year	Number of Journal Publications	Number of Conference Proceedings	Number of Books & Book Chapters	Number of Patents Published
2022	78	27	13	41
2021	70	74	13	10
2020	54	49	7	14
2019	36	7	0	14
2018	39	14	1	3
2017	32	5	1	2

H-index in Scopus: 22 & Highest IF: 11.53





## INNOVATION AND START-UPS

**Hydro tribe** is involved in Design and installation of customized structures for cultivating Organic Vegetables by using the Soil-Less Farming techniques like Hydroponics, Aero ponics & Aquaponics. Varieties of models are available for Households and High-rise building.



A device developed for reduce the waste of energy with the application of IOT device developed by AK. The device works for home automation and security to the home appliances.

**SpeedCopy** is professional printing service provider dedicated to quality and excellence. We provide a wide range of printing services, include Digital Printing, Offset Printing, 3D Printing, and more. Our goal is to provide our clients with exceptional customer service and to reach their expectations.



**STACCO** is Start-up multimedia company which was the team of DJ, AJ, VJ, Photographers, editors and there was a rock band team for live concerts

**Upeed** is a 3D modeling service that allows customers to visualize their dream home before construction even begins, allowing clients to make any necessary changes before it's too late. With our advanced AR and VR technology, customers can even step inside their future homes and experience it as if they were already living there.





## INNOVATION AND START-UPS



**Tribal** people are getting very low pay for their products, the group of 3 members came up with a innovative solution to sell Tribal products through ecommerce in B to B and B to C model.



**V DOCK** solution involved Troubleshooting is the biggest problem when a vehicle breaks down in middle of our journey. The team developing an innovative application to bring all the motor mechanics to a unique platform to provide repair and service to all the vehicles.

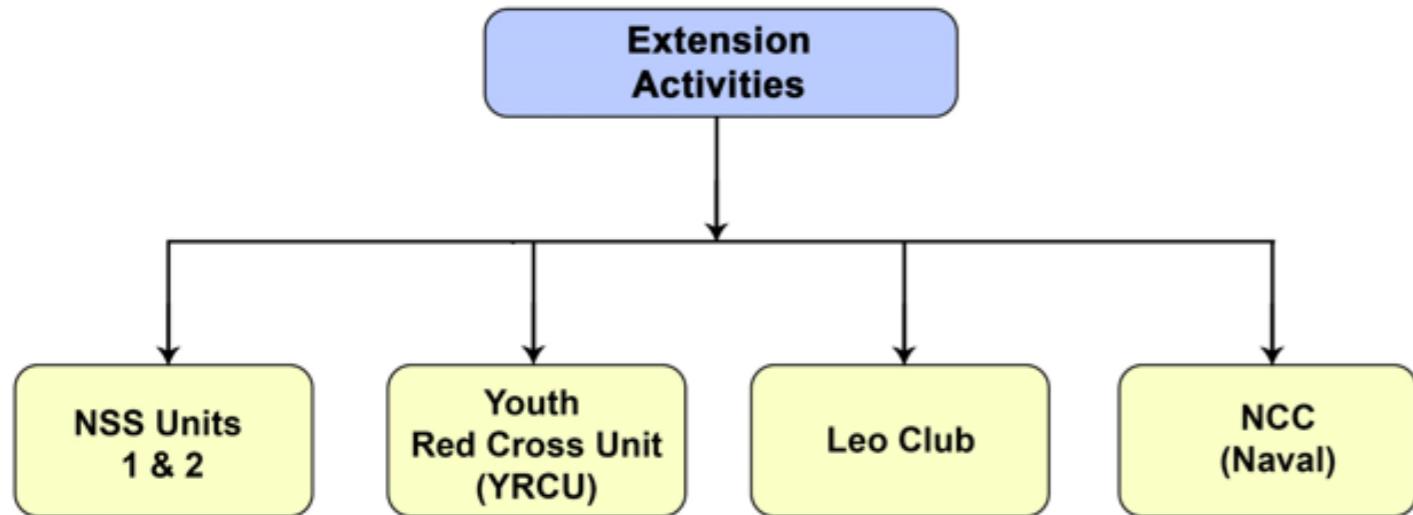


**CASERA BING** is producing high nutrition's , protein and fibrous snacks and instant, ready to cook mixtures for tiffin's, meals and snacks. the food and snacks are made with authentic India Spices and Himilan Rock salt.



**UniStackx** involved in developing software for computers, mobile devices, and web applications. We create high-quality, cost-effective, and adaptable software.

# EXTENSION ACTIVITIES



S.No	A.Y.	Total Number of Activities	Number of Students Participated
1	2017-18	9	2229
2	2018-19	20	1949
3	2019-20	30	2398
4	2020-21	20	1872
5	2021-22	35	2579



**Distribution of Groceries**



**Distribution of Clothes to Visually Challenged**



**Children's Day Celebrations**



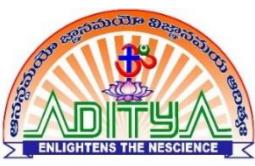
**Vigilance Awareness week Campaign**



**Women's Day Celebrations**



**Distribution of groceries at old age home**



# COLLABORATIONS / MoUs

Total Number of MoUs : 26

Total Number of collaborative activities : 84





## CRITERION 4

### INFRASTRUCTURE AND LEARNING RESOURCES

# PHYSICAL FACILITIES (TEACHING- LEARNING)

1	Land area (in Acres)	25.98
2	Academic built-up area (Sq.M)	41,395
3	Number of ICT enabled Classrooms	94
4	Number of Smart Classrooms	2
5	Number of Hostel Blocks	3
6	Total Number of Laboratories	75
7	Number of Seminar Halls/Auditorium	12
8	Number of Rest Rooms	40
9	Number of Common Rooms	10
10	Department library & reading rooms	12
11	Conference Halls	3
12	Research Laboratories	9
13	Central Library	1
14	Digital recording studio	1



**Cotton Bhavan**



**KL Rao Bhavan**



**Bill Gates Bhavan**



**Abdul Kalam Bhavan**



**Incubation center**



**Ratan Tata Bhavan**

# PHYSICAL FACILITIES (TEACHING- LEARNING)



**Edison Bhavan**



**Seminar Hall**



**R & D Lab**



**Project Lab**



**FM&HM Lab**



**PS Lab**



**TE Lab**



**ADC Lab**

# PHYSICAL FACILITIES (TEACHING- LEARNING)



**CSE Lab**



**RM Lab**



**PE Lab**



**FM Lab**



**CNC Lab**



**ARC Lab**



**Chemistry Lab**



**Ag.E Field**

# SPORTS AND CULTURAL FACILITIES

S.No	Facility	Details
1	Gymnasium	1
2	Yoga Centre	1
3	Track & Field	1
4	Cricket Ground	1
5	Basket Ball Ground	1
6	Foot Ball Ground	1
7	Hand Ball Court	1
8	Kabaddi Court	1
9	Table Tennis Boards	2
10	Shuttle Badminton Courts	1
11	Throw Ball Court	1
12	Tennikoit Court	1
13	Volley Ball Courts	2
14	Cricket Practice Net	1
15	Cultural	Seminar Hall / Open air Auditorium



➤ 2.53 Acres for playgrounds



# INTEGRATED LIBRARY MANAGEMENT SYSTEM (ILMS)

**Library automation software - ECAP**  
**Remote access for E-resources - KNIMBUS**

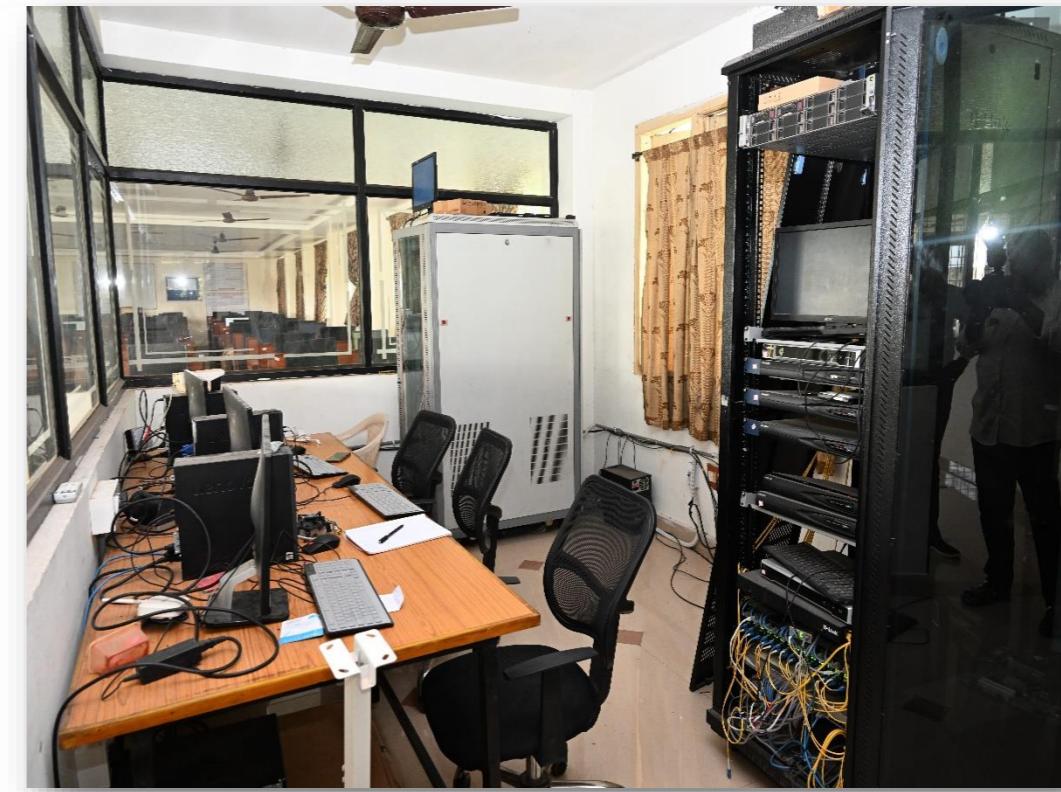
S.No	Facility	Details
1	E-Journals	IEEE, DELNET, N-LIST
2	No. of book titles available	12,378
3	No. of book volumes available	83,542
4	No. of students project reports	1,800
5	Digital library	Yes
6	No. of computers	30

Library Working Hours	
Monday To Saturday	8:00 AM TO 10:00 PM
Holidays & Sundays	9:00 AM TO 1:00 PM



# IT INFRASTRUCTURE

S.No.	Facility	Details
1	Internet Providers	BSNL & City Online
2	Bandwidth	BSNL : 1 GBPS City Online : 200 MBPS
3	Servers	DELL EMC Servers : 2 DELL R720 Servers : 4 DELL X Series 225 : 1 HP Prolient DL380 : 2
4	CCTV Surveillance	No. of cameras : 220
5	Security Arrangements	Sonicwall Firewall
6	Number of Desktop PCs	1314
7	No. of Wi-Fi Hotspots	102
8	Number of Projectors	165
9	No. of Printers	45
10	UPS & Battery	6
11	Graphic Tabs	40
12	Biometric Devices	28
13	Photocopy Machines	13

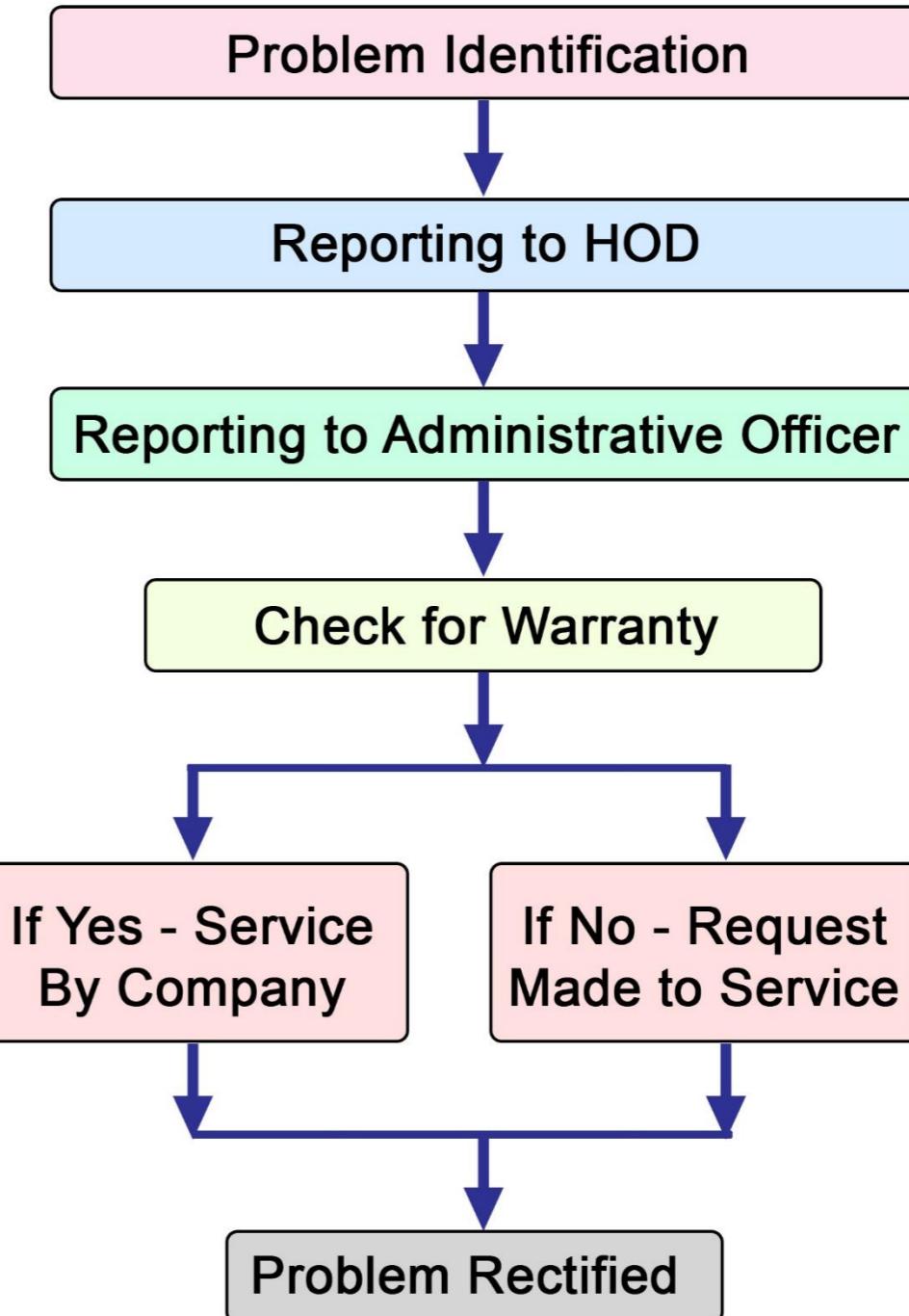
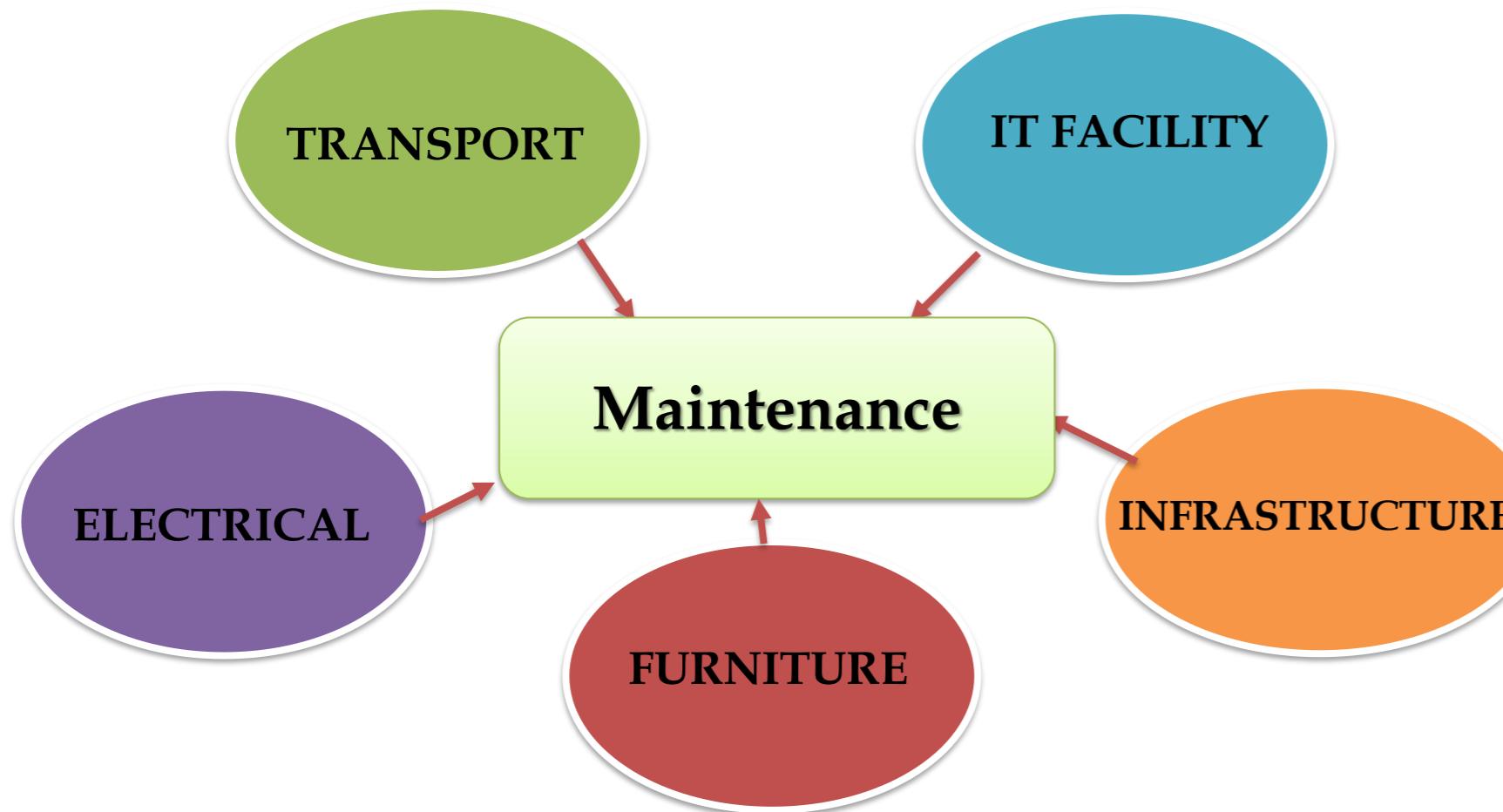


**Server Room**

**Student Computer ratio : 4 : 1**

**IT Policy : [View](#)**

# MAINTAINENCE OF PHYSICAL FACILITIES



Maintenance policy : [View](#)



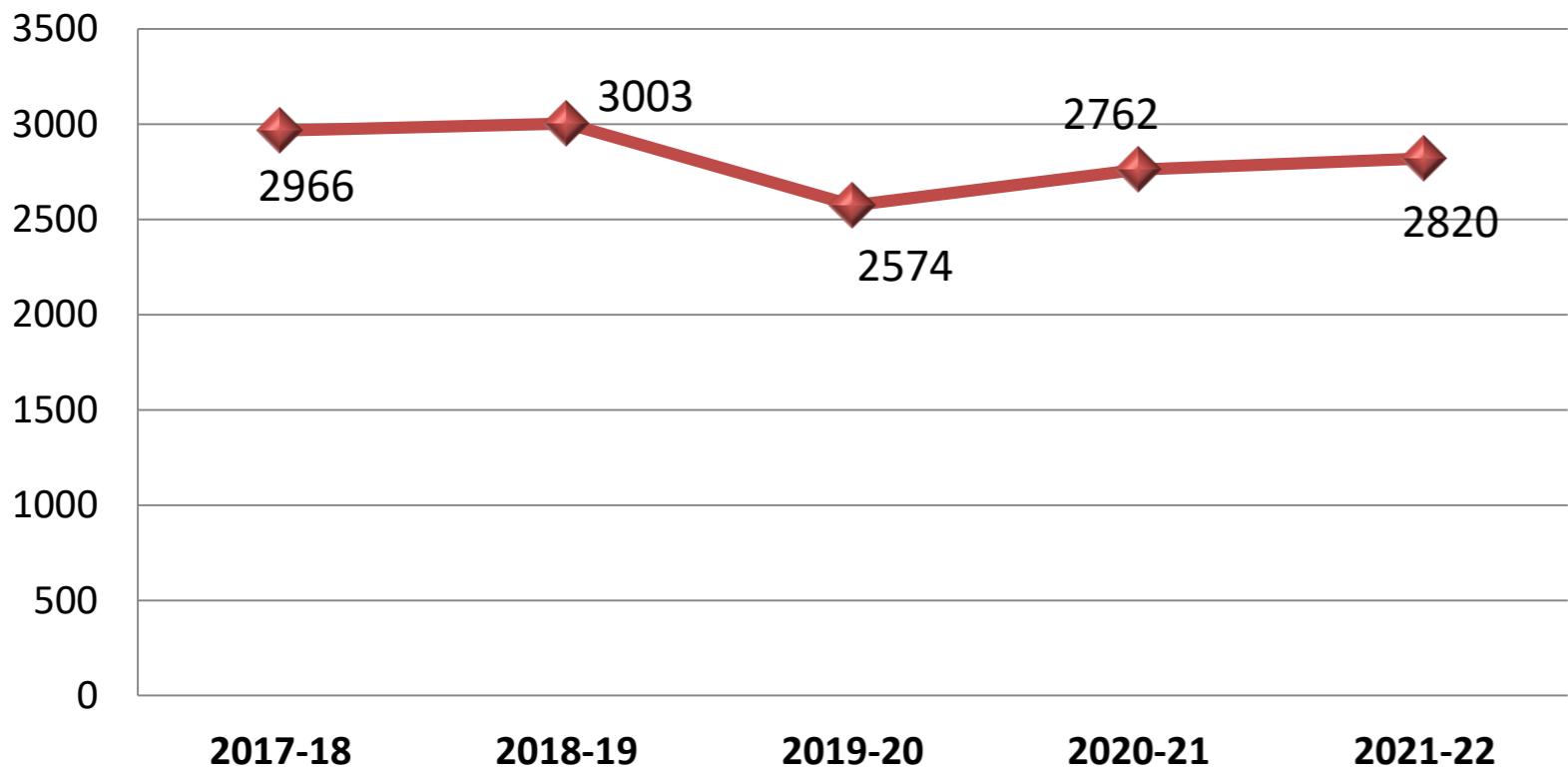
## CRITERION 5

### STUDENT SUPPORT AND PROGRESSION



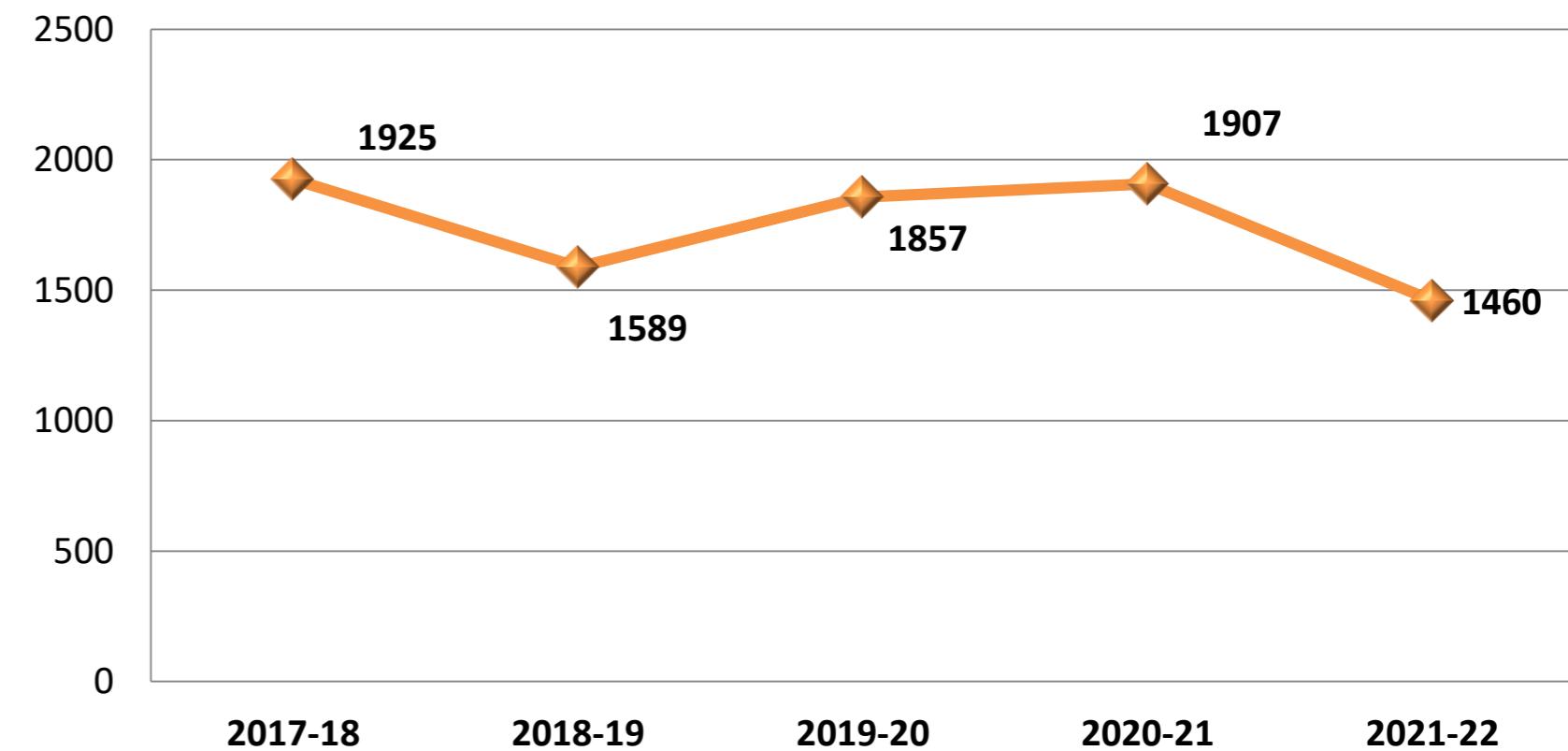
## STUDENT SUPPORT

GOVERNMENT SCHOLARSHIPS

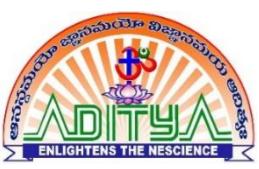


58.4%

MERIT SCHOLARSHIPS

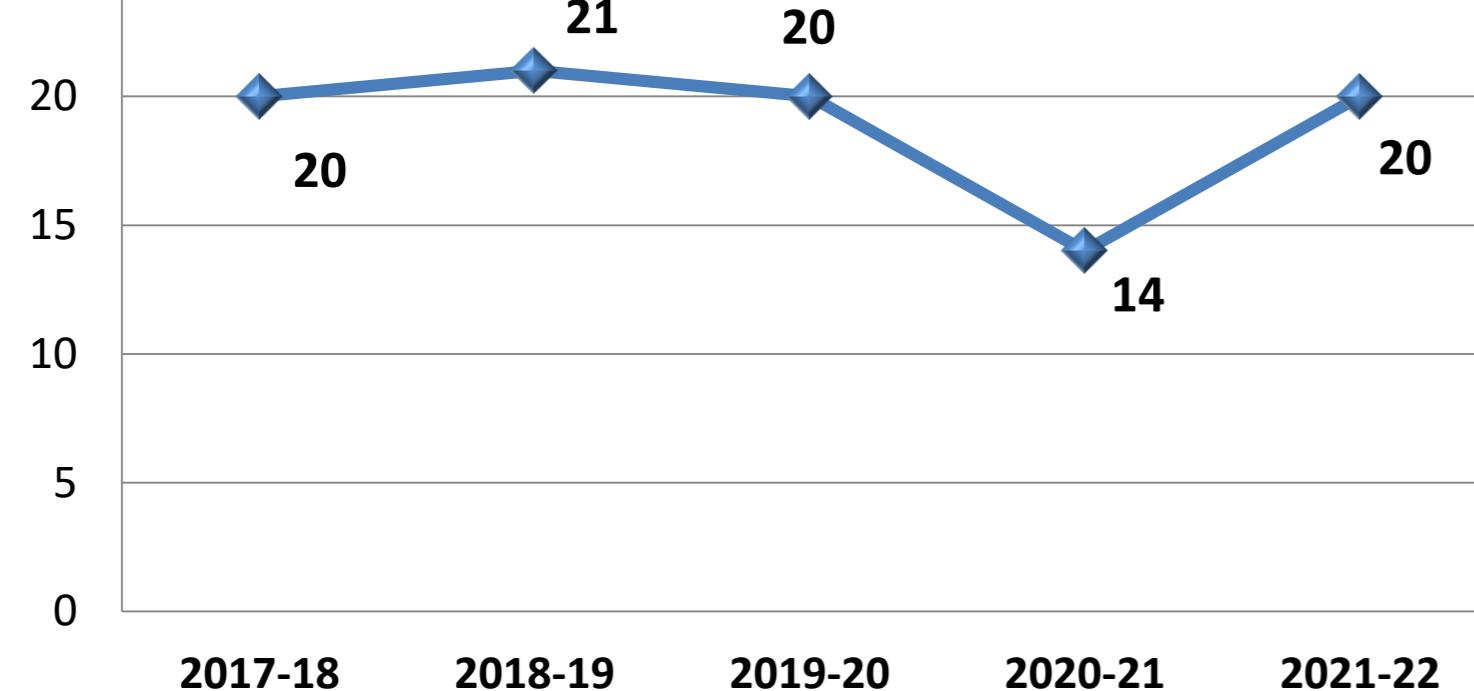


36.23%



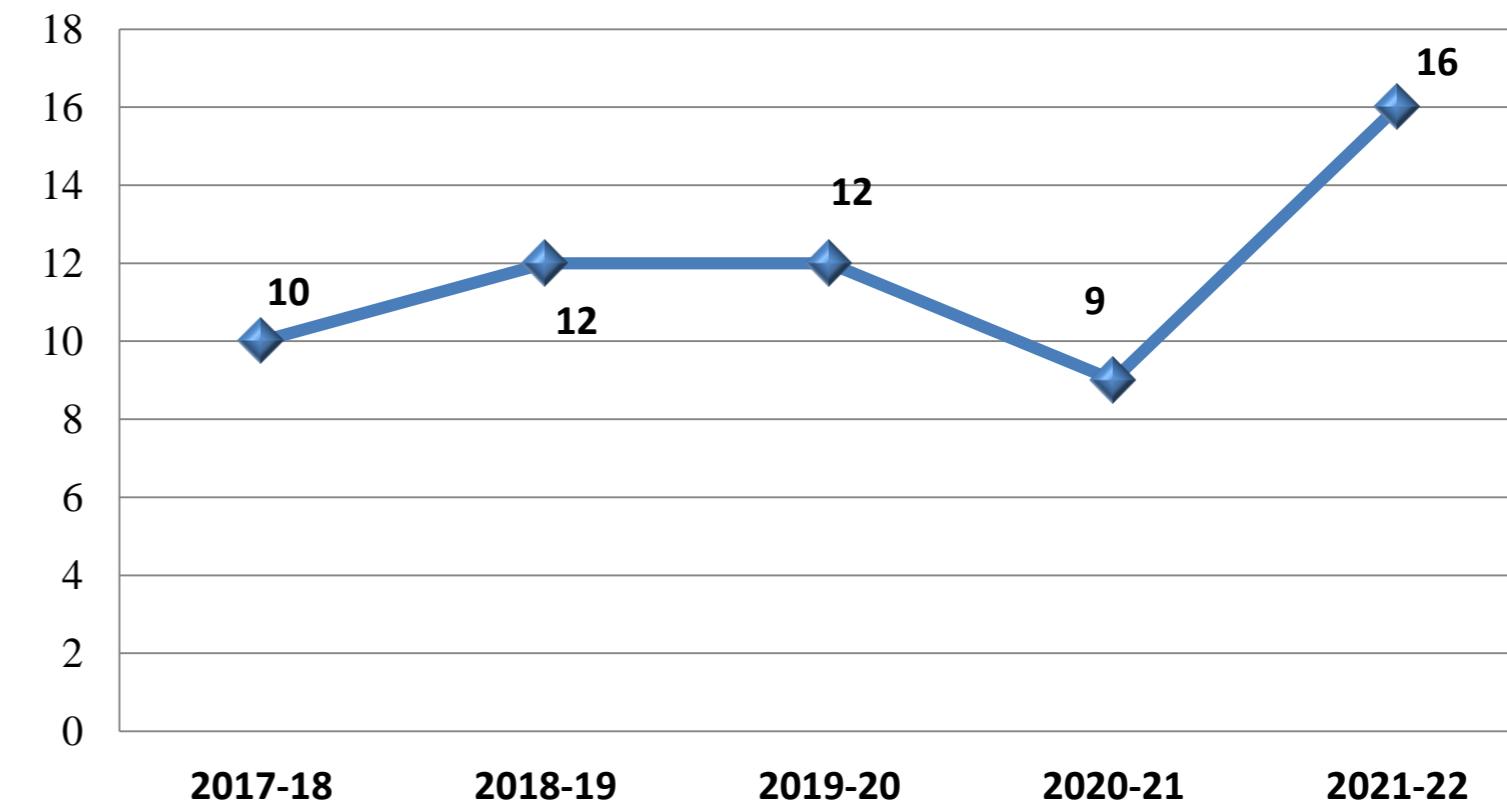
## STUDENT SUPPORT

CAREER COUNSELLING ACTIVITIES



TOTAL :95

CAPACITY BUILDING INITIATIVES



TOTAL :59



# STUDENT PROGRESSION

## Placements

Academic Year	Total Number of Students	No of Companies Visited	No of students Placed	Percentage of students Placed	Average Package (in LPA)	Highest Package (in LPA)
2021-22	1189	120	966	81.24	4.12	20.00
2020-21	1282	107	757	59.05	3.28	11.00
2019-20	1021	86	680	66.60	3.08	17.40
2018-19	1078	68	652	60.48	2.69	7.00
2017-18	1085	77	683	62.95	2.52	4.12

## Package Range

Academic Year	<4 LPA	4 to 6 LPA	>6 to 8 LPA	> 8 LPA
2021-22	446	458	42	20
2020-21	613	135	7	2
2019-20	582	71	3	24
2018-19	637	13	2	0
2017-18	641	42	0	0

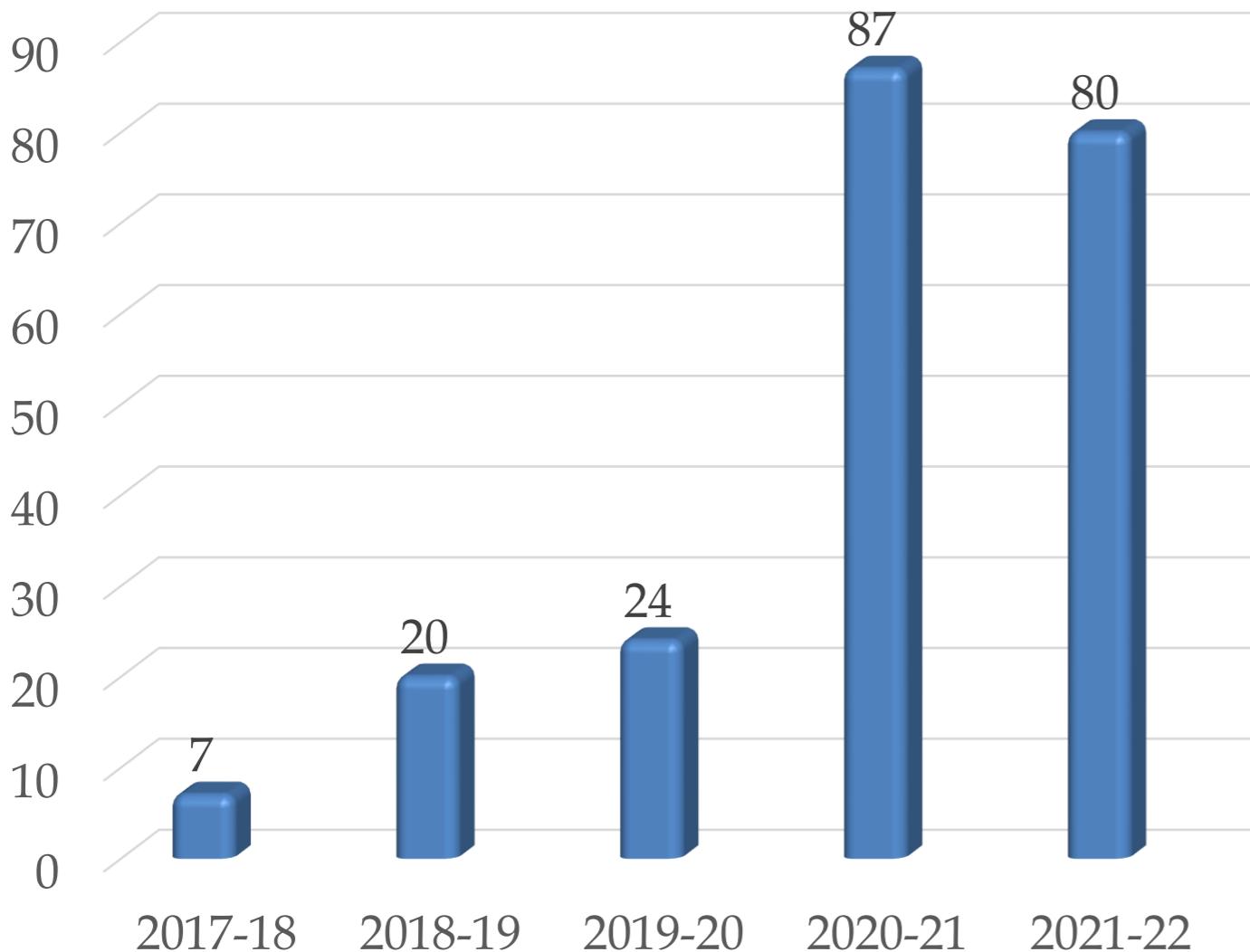
## Our Major Recruiters



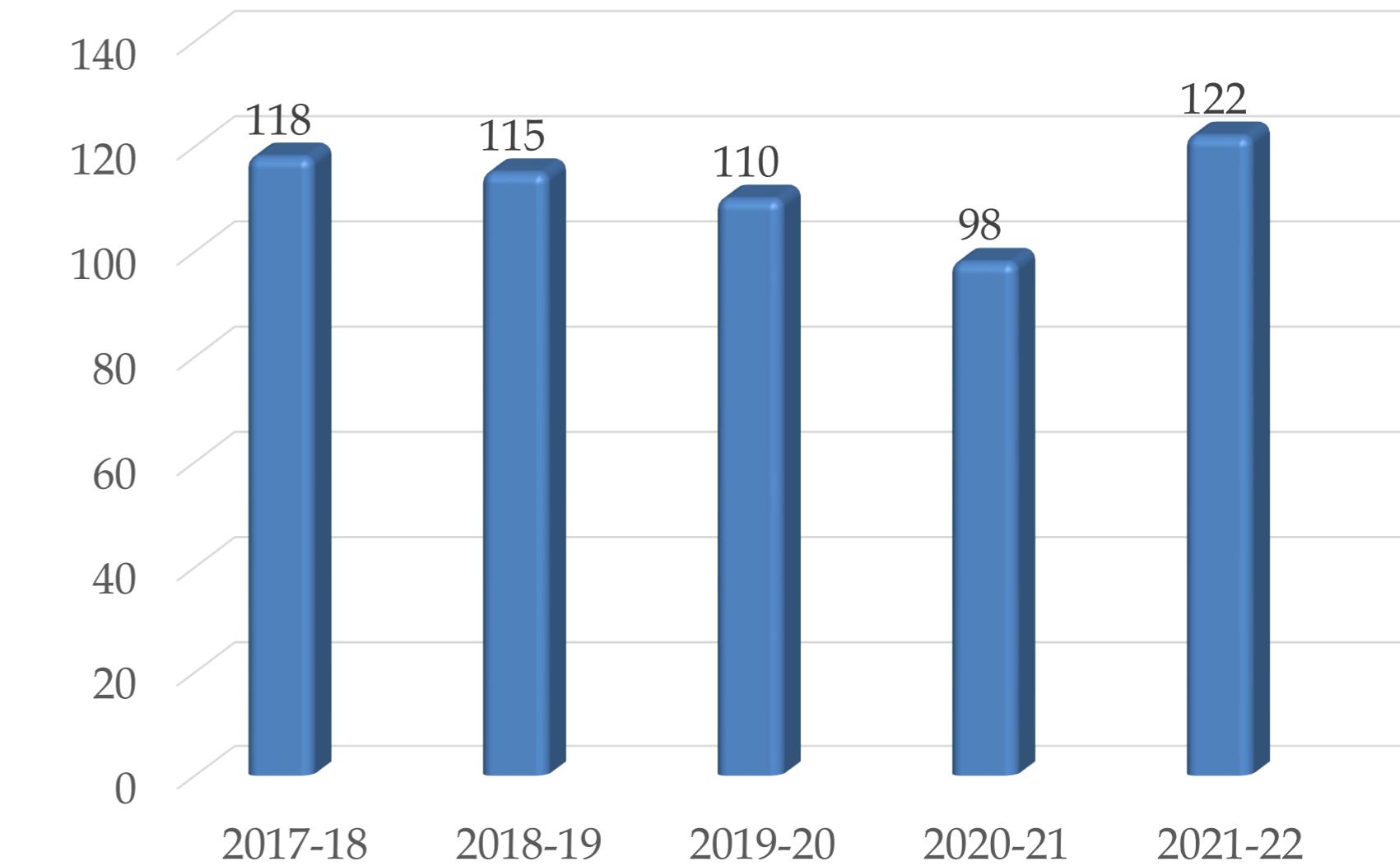


# STUDENT PROGRESSION

Students Qualified in Competitive Exams



Students Opted for Higher Education



**G.A.T.E.**  
Graduate Aptitude Test in Engineering

**IELTS™**

**TOEFL**  
(Test Of English as Foreign Language)

**GRE®**

**CAT**  
COMMON ADMISSION TEST  
Conducted by Indian Institute of Management (IIMs)





## STUDENT SUPPORT SERVICES

- **Campus recruitment training** (arithmetic, reasoning, soft skills, language skills) is imparted to students from 2<sup>nd</sup> year for campus placements and other job opportunities.
- **Seminars and interactive sessions with industry experts** are organized to improve awareness among students as a part of career counseling.
- Intramural - **sports and cultural fests** are organized to showcase talents among students and also encourage them to participate in inter and intra college / state competitions.
- Student problems are addressed through student council, ICC, anti ragging and **grievance redressal cells**.
- Various events are organized under **Language club** to get awareness on different languages.
- Improving entrepreneurship skills through **Entrepreneur Development Cell (EDC)**.
- Organizing industrial visits for experiential learning.



# STUDENT COUNCIL AND ADMINISTRATIVE COMMITTEES

## Students Representation in Various Committees and Clubs

S.No	Name of the Committee	No of students
1	Admissions Committee	8
2	Alumni coordination Committee	8
3	Anti Ragging Committee	6
4	Canteen Committee	9
5	Career Guidance, Training and Placement Committee	9
6	Committee for BC/SC/ST/Minority Grievances	4
7	Committee for Entrepreneurship Development	8
8	Committee for Extension Activities	12
9	Committee for Extra-curricular activities	14
10	Health Committee	4
11	Hostel Committee	9

S.No	Name of the Committee	No of students
12	Internal Complaints Committee (ICC)	4
13	Committee for IQAC	1
14	Library Committee	4
15	Professional Societies Coordination Committee	8
16	Publication Committee	9
17	Sports and Games Committee	10
18	Student Council	72
19	Students Grievance Redressal Committee	9
20	Transport Committee	8
21	Website Maintenance Committee	8

S.No	Name of the Club	No of students
1	Language Club	4
2	Photography & Video Club	2
3	ECO Club	8
4	Leo Club	8
5	NSS PO Unit	10
6	Red Cross Unit	10



# REDRESSAL OF STUDENT GRIEVANCES

Awareness Programs Conducted							
S.No	Particulars	2021-22	2020-21	2019-20	2018-19	2017-18	Total
1	Awareness against anti ragging	1	1	1	1	1	5
2	Awareness against gender bias, women grievances and sexual harassment	7	5	4	8	7	31

Student Grievance Redressal							
S.No	Particulars	2021-22	2020-21	2019-20	2018-19	2017-18	Total
1	Number of grievances received	2	0	3	3	1	9
2	Number of grievances resolved	2	0	3	3	1	9

**EXPRESS READ**

**Two-day seminar on women empowerment**



Kakinada: A two-day national seminar on women employment and empowerment, was conducted by the department of ECE and women empowerment cell of Aditya Engineering College (AEC) with the support of National Commission for women (NCW), New Delhi on Monday and Tuesday. NCW spent ~2.49 lakh for the event. Chief guest East Godavari District Forest Officer Nandini Salaria (IFS), special guest of honour N Sesha Reddy, and special invitee Dr N Suguna Reddy, Aditya Educational Institutions director, inaugurated the event.

College (AEC) with the support of National Commission for women (NCW), New Delhi on Monday and Tuesday. NCW spent ~2.49 lakh for the event. Chief guest East Godavari District Forest Officer Nandini Salaria (IFS), special guest of honour N Sesha Reddy, and special invitee Dr N Suguna Reddy, Aditya Educational Institutions director, inaugurated the event.

INDIAN EXPRESS Wed, 12 February 2020 <https://epaper.newindianexpress.com/>



ICC Event on Women Empowerment

ICC event on Disha App Installation

Awareness on Anti-Ragging

# STUDENT ACHIEVEMENTS – SPORTS / CULTURALS

S.No	Academic Year	2017-18	2018-19	2019-20	2020-21	2021-22
1	Sports	19	15	11	-	10
2	Cultural	03	05	07	-	07
3	Total number of Awards/Medals	22	20	18	-	17

**తైకావండ్ పోటీల్లో  
ఆదిత్య విద్యార్థిని ప్రతిభ**



పెద్దాలుగం / గండేపట్ల, చెన్నచెర, అణ్ణెంక 3 :  
సెల్వాలు సుబ్రామెన్ స్టేడియంలో  
ఎల్లప్పుడూ నిర్వహించిన సాల్వాలు  
ప్రాథ్మిక తైకావండ్ పోటీల్లో తమ  
కళాశాల విద్యార్థిని ప్రతిభ  
కనబరిచినట్లు కళాశాల ప్రిన్సిపాల్  
టాక్షర్ ముదపాలి క్రీనివాసరద్రీ  
శాఖలు, గండేపట్ల మండలం  
సూరంపొలెం అదిత్య ఇంజనీరింగ్  
కళాశాలలో ప్రైనర్ ఇయలర్  
కంప్యూటర్ లైన్ ఇంజనీరింగ్  
చదువుచున్న బొడ్డు పార్ట్యూన్ సమీర  
57 కిలోల విధాగంలో ప్రతిభ  
కనబరిచి కాంస్ట్రు పతకం  
సాధించినట్లు అయిన శాఖలు.  
ఈ సందర్భంగా సమీరను అదిత్య  
విధా సంస్థల లైన్ డెర్చున్ టాక్షర్  
నభుమి సత్కిష్ట రాద్రీ, ఫియల్ డెర్టక్టర్

సిహెచ్. మురళీమాహన్, తదితరులు అభినందించారు.

**3<sup>rd</sup> Prize winner in Taekwondo**



**1<sup>st</sup> Prize in JNTUK Cricket Tournament**



**1<sup>st</sup> Prize winner in Western dance**



**1<sup>st</sup> Prize winner in Instrument (Tabla) Playing**

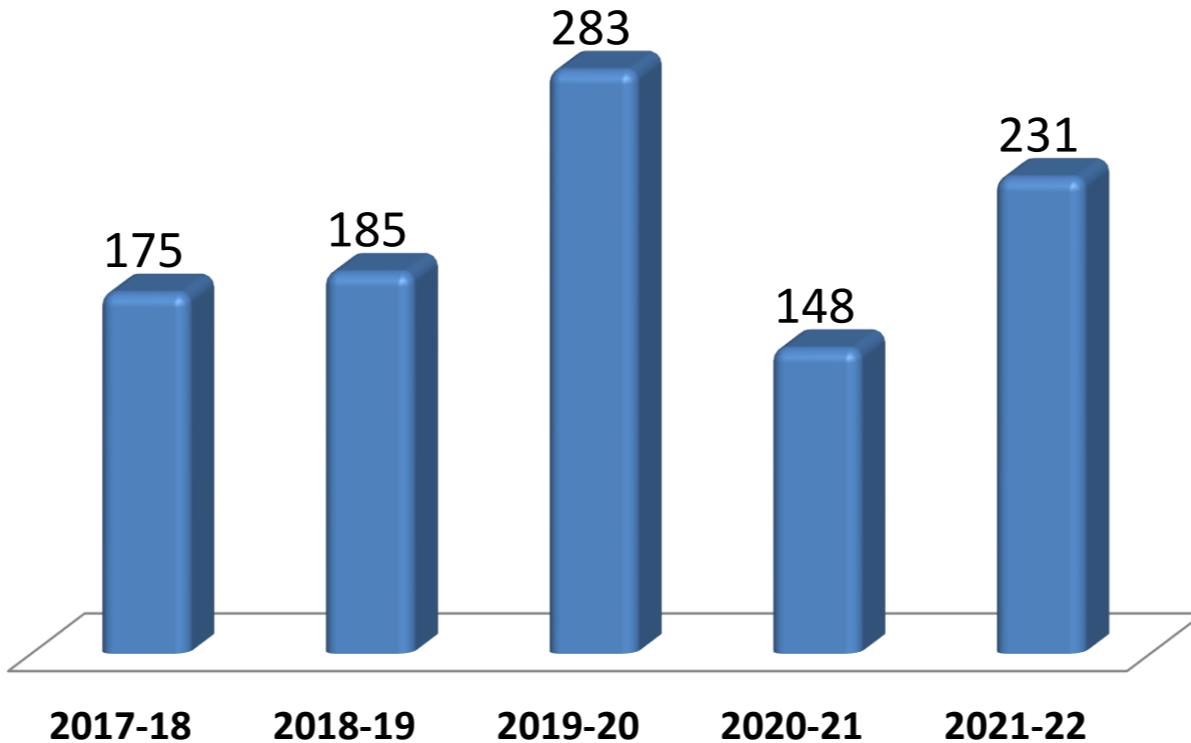


# ALUMNI ASSOCIATION & ENGAGEMENT

## Alumni Involvement:

- Curriculum development and revision
- Guest lectures on emerging technologies
- Career guidance to enlighten the students on different career options
- Support for placements and internships
- Entrepreneurship guidance
- Donating books

## No. of Alumni attended for the Meets



## Alumni Contributions

- Registered Alumni Members :14,781
- Alumni Meets : 5
- Fund Received : 17 Lakhs
- No. of Alumni interacted with students : 72
- Alumni Chapters: Hyderabad & Bangalore





# ALUMNI MEET



A SHOT ON OPPO





## DISTINGUISHED ALUMNI



**NVV ADITYA SARMA**  
Senior Manager (O&M), NTPC  
Ltd.(A Govt Of India Enterprise).  
Lucknow  
ECE(2005-2009)



**GOLUGURI SATYA**  
PANEENDRA REDDY  
Inspector Income Tax, CBDT,  
Ministry of Finance  
ECE(2009-2013)



**T BHANU REKHA**  
Director,  
Saiteja Vidyaniketan Educational  
Institutions, Rayavaram, East Godavari  
CSE(2009-2013)



**Dr. KARRI MANIKANTA REDDY**  
Application Engineer, AMD,  
Hyderabad  
ECE(2009-2013)



**S K. RAJESH REDDY**  
Section Er, Indian Railways  
ME(2005-2009)



**KOLLAPUREDDY VEERALAKSHMI**  
Chief Executive Officer LED Making Unit  
Rampa Girijana Mahila Samaikya,  
Rampachodavaram  
ECE(2008-2012)



**VENKATESH NALLA**  
Solution Designer, Deloitte  
Canada  
EEE(2012-2016)



**SIVAKANTH SATTIRAJU**  
Adv. Analytics & MLOPs  
Intrapreneur, CISCO  
CSE(2001-2005)



## DISTINGUISHED ALUMNI



**KARTHIK P**  
Sr. Delivery Manager,  
Cresen Solutions  
CSE(2005-2009)



**D SANTHOSH**  
Software Engineer  
Walmart  
CSE(2010-2014)



**KENNEDY OMBENI**  
Project Manager, Graphic  
Information Systems,  
Canada  
ECE(2015-2017)



**KARTHEEK JONNADA**  
Oracle Techno Functional  
Consultant  
ECE(2006-2010)



**GANESH SISTU**  
Deep Learning Architect for  
Autonomous Driving, Galway,  
County Galway, Ireland,  
ECE(2006-2010)



**K ARAVIND**  
Sr. Manager, Daimler India  
Commercial Vehicles,  
Mercedes Benz  
ME(2010-2014)



**KARTHEEK TADIMETI**  
Sr. Process Engineer -  
Technical Asset Operations  
Shell India, Chennai  
PT(2011-2015)



**V V DURGA SIVA SAI RAVI TEJA**  
Analog Layout Engineer, Texas Instruments  
India Pvt Ltd. Bengaluru  
EEE(2012-2016)

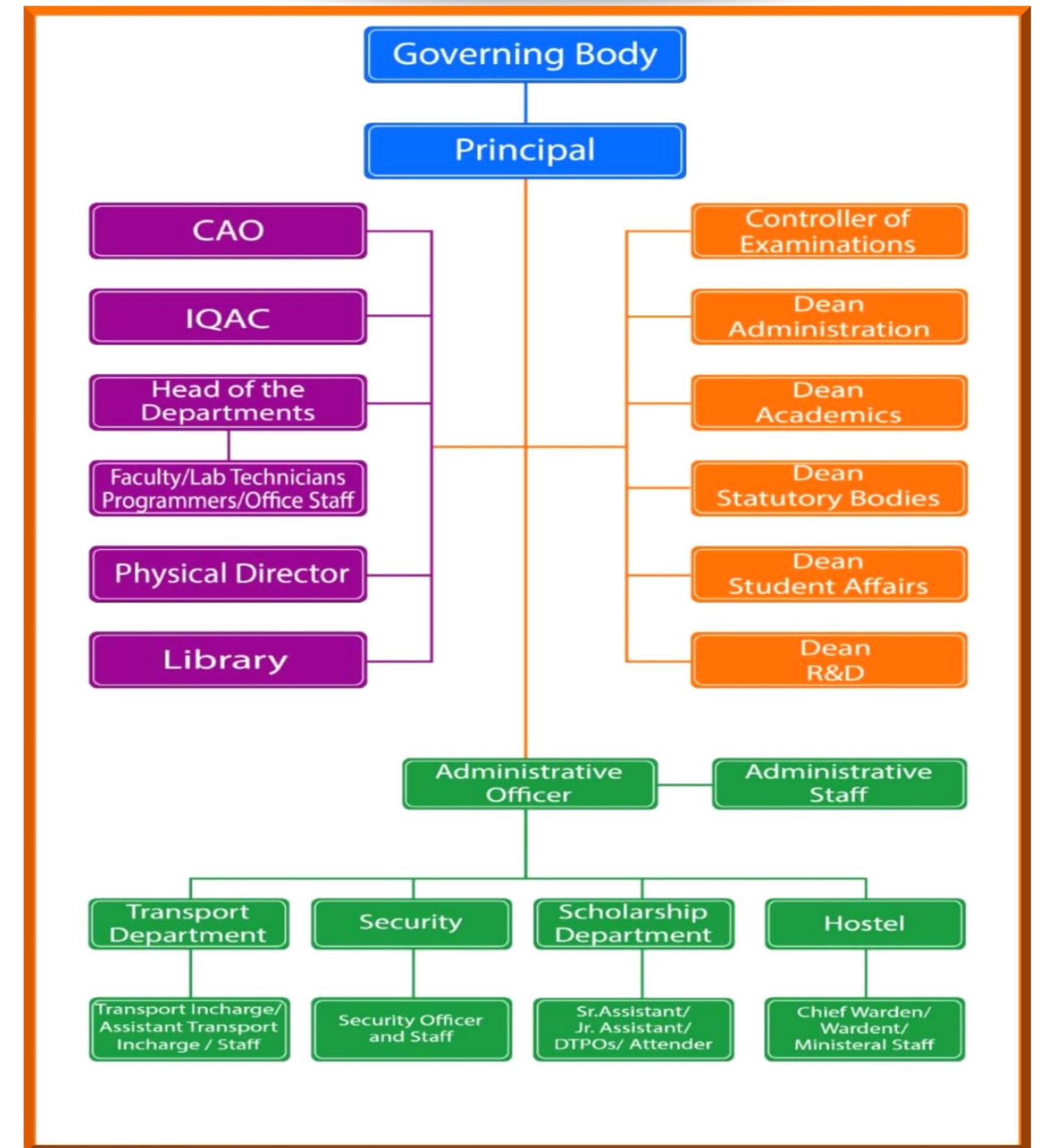


## CRITERION 6

### GOVERNANCE, LEADERSHIP AND MANAGEMENT



# ORGANIZATION CHART





# GOVERNING BODY

S.No	Name	Qualification	Current Position	Position In the Governing Body
1	Dr.N.Sesha Reddy	M.A., B.L.	Chairman Aditya Academy	Chairman
2	Dr. N.Satish Reddy	M.B.A. Ph.D	Vice Chairman Aditya Academy	Society Nominee
3	Sri N.K.Deepak Reddy	M.Tech.	Secretary Aditya Academy	Society Nominee
4	Smt. N.Sruthi	B.Tech.,MBA	Member Aditya Academy	Society Nominee
5	Dr. N.Suguna	M.B.B.S.	Member Aditya Academy	Society Nominee
6	Dr.K.V.Jaya kumar	M.Tech., Ph.D.	Rtd. Professor in CE Dept. NIT Warangal	Society Nominee
7	Dr.K.Hema Chandra Reddy	M.Tech., Ph.D.	Chairman, APSCHE & Professor in ME Dept., JNTUA	Society Nominee
8	Dr. Yeshveer Singh Tomar	M.Sc ., Ph.D.	Rtd. Principal, Janta Vedic PG College, Baraut, UP	UGC Nominee
9	Dr. Yesuratnam G	M.Tech., Ph.D.	Professor in CE Dept., JNTUK, Kakinada	University Nominee
10	Mr.T.V.Rajasekhar	M.Tech.	Principal GPT, Kakinada	State Government Nominee
11	Dr.K.V.S.R.Murthy	M.Tech., Ph.D.	Professor in EEE Dept.	Faculty
12	Prof. V.Satyanarayana	M.Tech.(Ph.D).	Professor in ECE Dept.	Faculty
13	Dr. M.Sreenivasa Reddy	M.Tech.,Ph.D.	Principal	Member Secretary



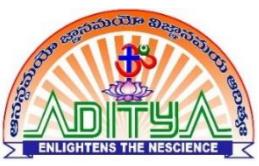
## Academic Council

S.No	Name	Designation	Current Position	S.No	Name	Designation	Current Position
1	Dr. M. Sreenivasa Reddy	Principal	Chairman	15	Prof. Satyajeet Parida	HOD - Dept. of Min. E	Member
2	Dr. V Ravindra	Professor, Dept of CE, UCEK, Director R&D,JNTUK, Kakinada	University Nominee	16	Dr. R. Giri Prasad	HOD - Dept. of PT	Member
3	Dr. KVSG Murali Krishna	Professor, Dept. of CE, UCEK and Director of Academic & Planning, JNTUK, Kakinada	University Nominee	17	Dr. B. Krishna Kanth	HOD - Dept. of Ag. E	Member
4	Dr. B Bala Krishna	Professor, Dept. of ME, UCEK and Director of Evaluation, JNTUK, Kakinada	University Nominee	18	Dr. M.Venkatesh	HOD - Dept. of AIML & Data Science	Member
5	<b>Dr. Prasad Krishna</b>	Professor, Dept. of ME & Director, NIT Calicut	<b>Governing Body Nominee</b>	19	Dr. K.Sanjay	HOD - Dept. of MS	Member
6	<b>Dr. N.C. Shiva Prakash</b>	Professor, Dept. of Instrumentation, IISC, Bangalore	<b>Governing Body Nominee</b>	20	Prof. D. Beulah	HOD - Dept. of MCA	Member
7	<b>Dr. Srinivasan Chandrasekaran</b>	Professor, Dept. of Ocean Engineering , IIT Madras, Chennai	<b>Governing Body Nominee</b>	21	Dr. M.S.C. Sophia	HOD - Dept. of English	Member
8	<b>Dr. Ram K Sharma</b>	Pro-Vice Chancellor, University of Petroleum and Energy Studies, Dehradun.	<b>Governing Body Nominee</b>	22	Dr. G. Venkata Ramana	HOD - Dept. of Mathematics	Member
9	Dr. B Ramamohan Reddy	HOD - Dept. of CE	Member	23	Dr. G. Chinna Ram	HOD - Dept. of Physics	Member
10	Dr. V. Srinivasa Rao	HOD - Dept. of EEE	Member	24	Dr. S. Aruna Kumari	HOD - Dept. of Chemistry	Member
11	Dr. Pritam Kumar Das	HOD - Dept. of ME	Member	25	Dr. G. Suresh	Professor, Dept. of ECE & Dean (Statutory Bodies)	Faculty Nominee
12	Dr. N. Radha	HOD - Dept. of ECE	Member	26	Dr. K.V.S.R. Murthy	Professor, Dept of EEE & Dean (R&D)	Faculty Nominee
13	Dr. A. Vanathi	HOD - Dept. of CSE	Member	27	Prof. J. Pavan	Professor, Dept. of EEE & Dean (Evaluation)	Faculty Nominee
14	Dr. M V Rajesh	HOD - Dept. of IT	Member	28	Prof.V. Satyanarayana	Dept. of ECE	Faculty Nominee
				29	Dr. S. Rama Sree	Professor, Dept. of CSE & Dean (Academics)	Member Secretary



## STRATEGIC / PERSPECTIVE PLAN (2021 - 2030)

- To introduce interdisciplinary, transdisciplinary, and Multidisciplinary programmes
- To augment advanced laboratory facilities to support research in emerging technologies
- To have adequate infrastructure to become a University
- To modernize existing classroom facilities into the digital classrooms
- To strengthen research and consultancy activities
- To enhance industry-institute interaction to pursue consultancy
- To have MoU's with higher education institutions and industries to facilitate faculty and students



# FACULTY EMPOWERMENT STRATEGIES

## Welfare Measures

- Group insurance (144)
- Employees provident fund (351)
- ESI facility for Non-Teaching Staff (442)
- Subsidized lunch facility (99)
- Free transport (All)
- **Free accommodation in hostels (28)**
- **50% tuition fee waiver for staff children (47)**
- **24/7 Dispensary facility (All)**
- **Rs 10,000/- financial support to the COVID-19 affected faculty (36).**
- **Incentives for research publications (All)**
- Seed money (52)
- **Financial assistance for Professional body memberships (All)**
- Paid leave for Ph.D Thesis submission (10)
- Paid Maternity leave (6)



# PERFORMANCE APPRAISAL SYSTEM

## Process of implementation of Performance Appraisal

The implementation mainly consists of three steps:

Step 1: Collection of Faculty Self-Appraisal from faculty

Step 2: Preparation of Faculty Annual Performance  
Appraisal Report by HoD.

Step 3: Review of Annual Performance Report by  
expert committee.

## Impact:

Faculty are rewarded / counselled based on the performance

## Key points for faculty appraisal are:

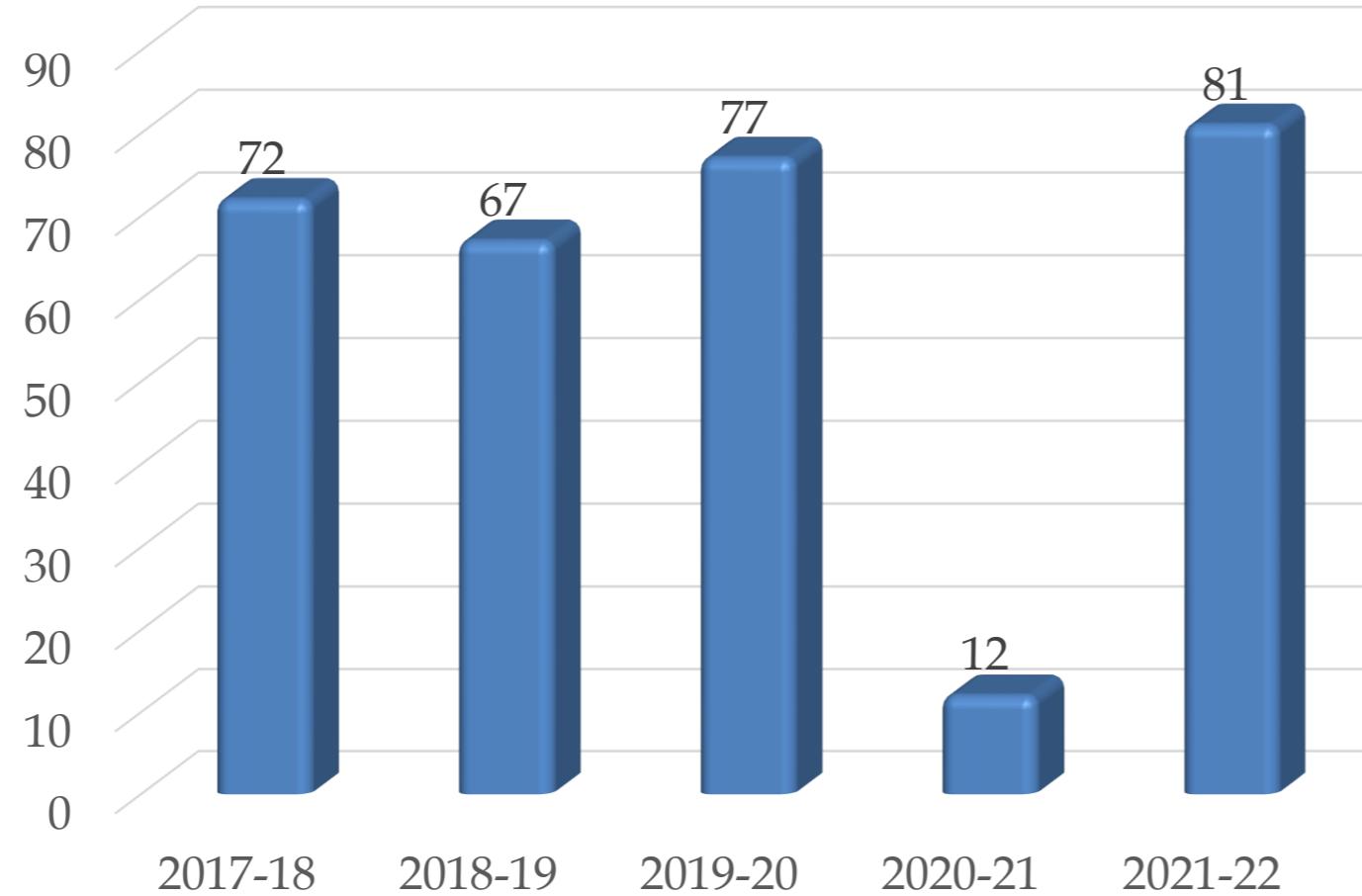
1. Average Pass Percentage of the courses taught by faculty
2. Average Pass Percentage of the students proctored by faculty
3. Average Percentage of Students feedback
4. Papers published in Journals and /Papers presented in Conferences
5. Chapters and Books authored by faculty
6. Workshops/FDPs/STTPs attended by faculty.
7. Additional responsibilities handled by faculty.
8. Assessment of attitude and Interpersonal skills.



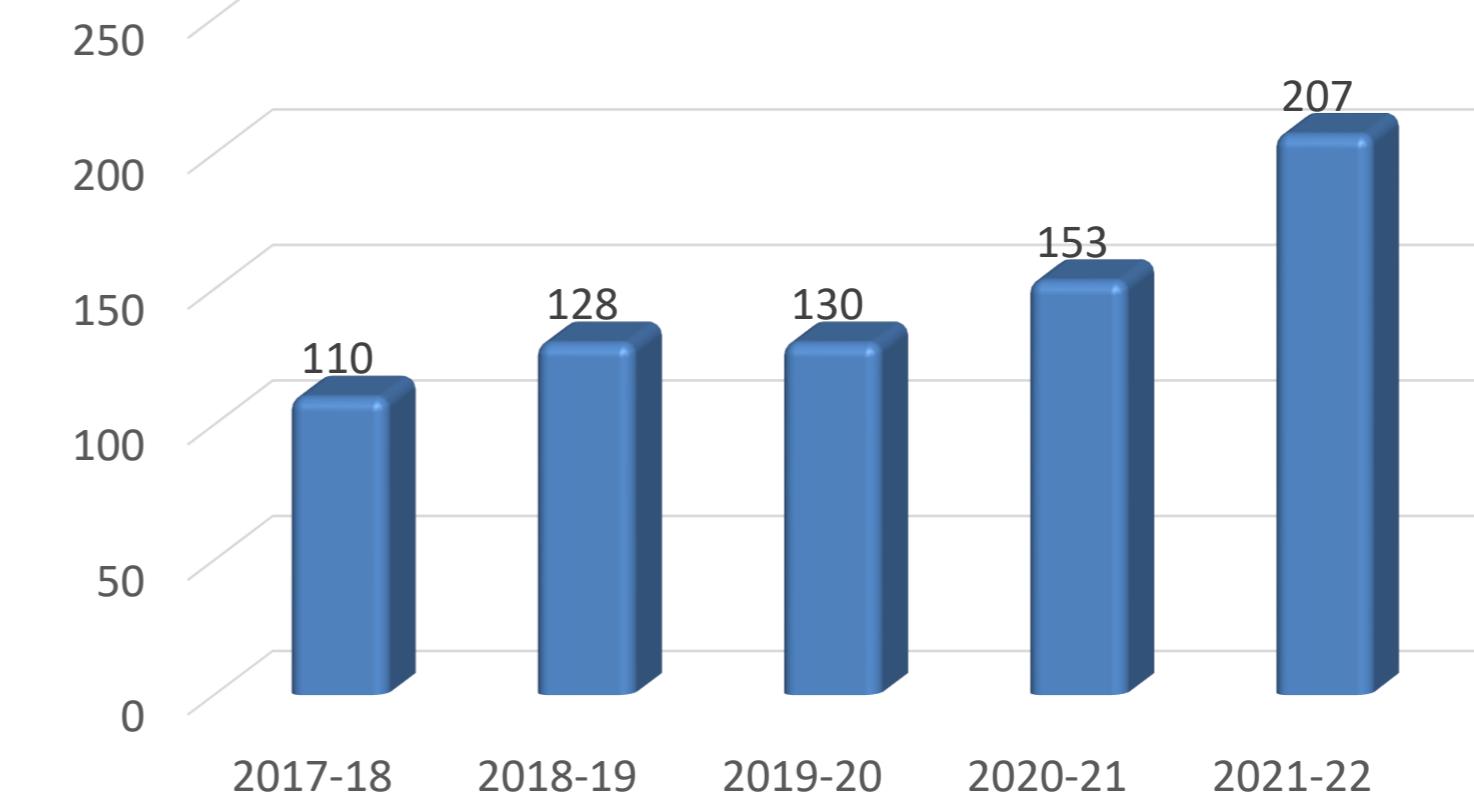
# FACULTY ENRICHMENT PROGRAMS

## Professional Development Programs

Organized by the institute



Attended by the faculty (Outside)





## FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

- Internal and external audits are regularly conducted.
  - The internal and external audit are carried out twice in a year by qualified accountants.
  - Internal Auditor - Mr. Subrahmanyam Sarma S V S S R (M.No. 203908).
  - External Auditor - Mr. V V Satyanarayana (M.No. 022034)
- Reports of the auditors are reviewed by the Governing body.
- The main source of funding are the tuition fees, transportation fee, hostel fee.
- Utilization of funds include salary, development and maintenance of infrastructure, academic and other operational expenses.



## INTERNAL QUALITY ASSURANCE CELL

- Promotes Quality culture with respect to Quality initiatives, Quality sustenance and Quality enhancement.
- Takes measures for improving Quality related Teaching- Learning process, Research, and Skill development Activities.
- Periodically conducts Academic and Administrative Audits.
- Responsible for all Accreditation related tasks.



## POST ACCREDITATION QUALITY INITIATIVES

S.No.	Recommendations given by NAAC Peer team during last visit	Incremental Improvement
1	Recruit more faculty with Ph.D. qualifications	Recruited more doctorates. 27.3% of the total faculty are doctorates
2	Provide seed grant and professional allowances to faculty	₹ 68.74 lakhs is provided as seed money to faculty to facilitate their research work
3	Efforts should be made to support local region through consultancy, testing and training activities	1. Generated ₹ 1.13 crores through various consultancy activities. 2. The labs of Civil Engineering are NABL accredited.
4	Innovation and entrepreneurship to be promoted more aggressively	1. Incubation center is established with funding from DST. 2. Startups (10) are initiated through the incubation center.
5	Students to be exposed to better quality of experimentation by providing hands- on experience on high-end research equipment	Skill development centers (10) are established



## POST ACCREDITATION QUALITY INITIATIVES

S.No.	Recommendations given by NAAC Peer team during last visit	Incremental Improvement
6	Library resources to be augmented by adding more volumes of books and digital library	<ol style="list-style-type: none"><li>1. Total of 12,378 titles and 83,542 volumes are available.</li><li>2. 84 journals and 746 e-books</li><li>3. 1224 e-journals through IEEE, N-LIST, DELNET and KNIMBUS</li><li>4. Digital library with 30 systems, multimedia support and internet facility</li></ol>
7	Placement of students needs more attention	<ol style="list-style-type: none"><li>1. Placement of students is improved significantly from 62 % to 81% over the past five years.</li><li>2. Students are selected in MNCs with higher packages improved from 3.12 LPA to 20 LPA.</li></ol>
8	Provision for access to differently abled persons	<p>The following facilities are created for differently abled persons:</p> <ol style="list-style-type: none"><li>1. Wheelchair facility</li><li>2. Scribe</li><li>3. Ramps &amp; Lifts</li><li>4. Signage boards</li><li>5. Disabled-friendly washrooms</li></ol>
9	Leverage more alumni resources	<ol style="list-style-type: none"><li>1. Alumni chapters are established in Hyderabad and Bangalore.</li><li>2. Alumni fund of Rs. 17 lakhs to support alumni association activities.</li></ol>



## CRITERION 7

### INSTITUTIONAL VALUES AND BEST PRACTICES



# PROMOTION OF GENDER EQUITY

## Gender Equity Facilities

- Common Rooms
- CC camera surveillance for Safety and Security
- Computer lab and reading room
- Day Care
- Counselling room
- Locker Facility

## Awareness Programs Conducted for Promoting Gender Equity

- Role of education to attain gender equity
- Gender Equity Human Rights
- Awareness on future gender norms
- Equality for men and women in work place.
- Protect Girl child- Maintain Gender Equity.
- Gender equity and Diversity.

## Internal Complaints Committee (ICC)

- Provides safe work and academic environment
- Empowering the women students and staff
- Provides a mechanism for registering complaint
- Emotional and psychological support to the victims

## Gender sensitivity programs conducted

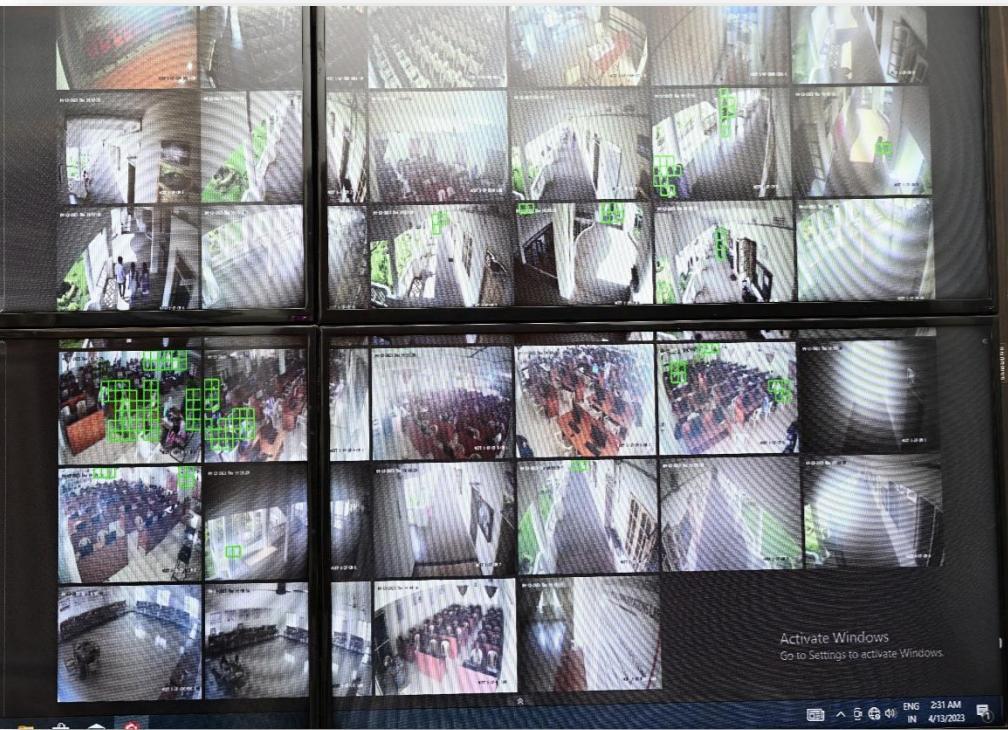
Academic Year	2021-22	2020-21	2019-20	2018-19	2017-18
No. of programs conducted	6	2	2	6	6

## Other Facilities

- Sanitary Napkin vending machines
- Incinerator machines
- Bus facility for girls hostel
- Beauty-parlor at girls hostels.
- Women Security guards



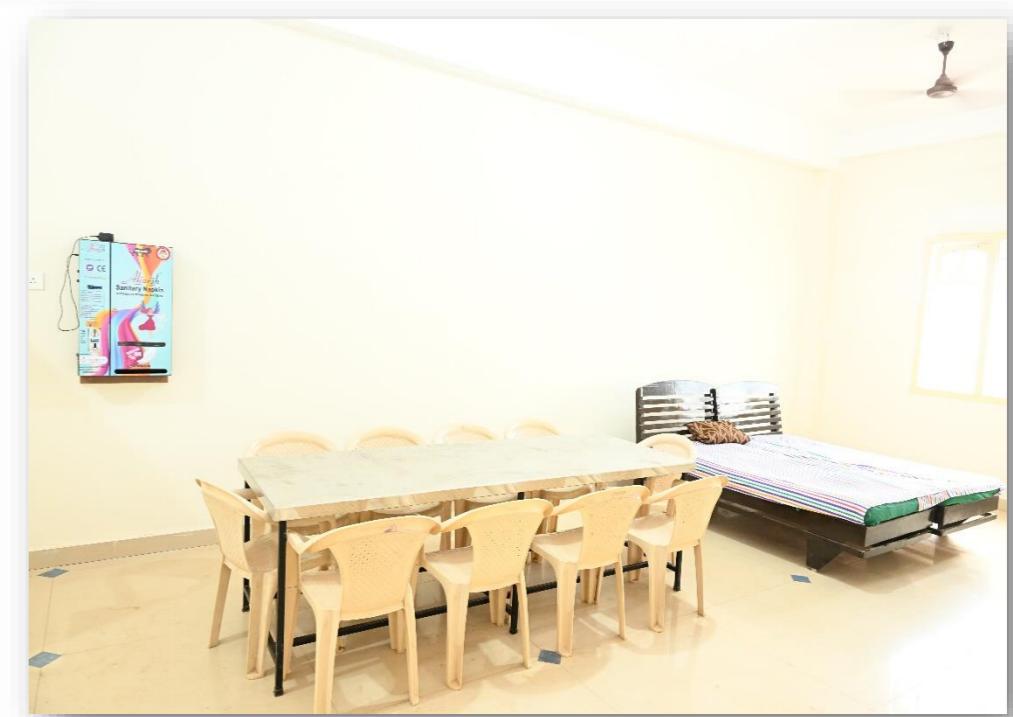
# PROMOTION OF GENDER EQUITY



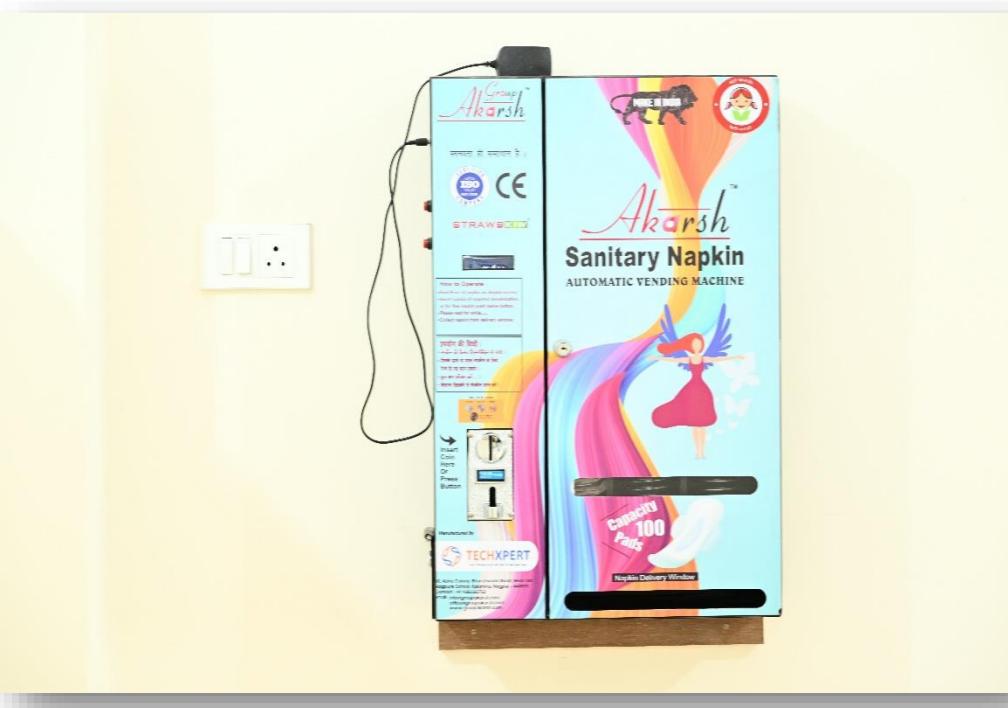
CCTV Camera Surveillance



Women Security at Girls Hostel



Common Room



Sanitary Pad Dispenser



Sanitary Pad Incinerator



Day Care

## Solid Waste Management

- Separate bins for wet and dry waste in the corridors.
- Separate Waste collection from canteens, residential quarters, hostels, guest house, etc.
- Segregation of waste for vermicomposting and manuring for plants.



Colour coded dust bins



Bio gas plant



Vermicomposting Pit

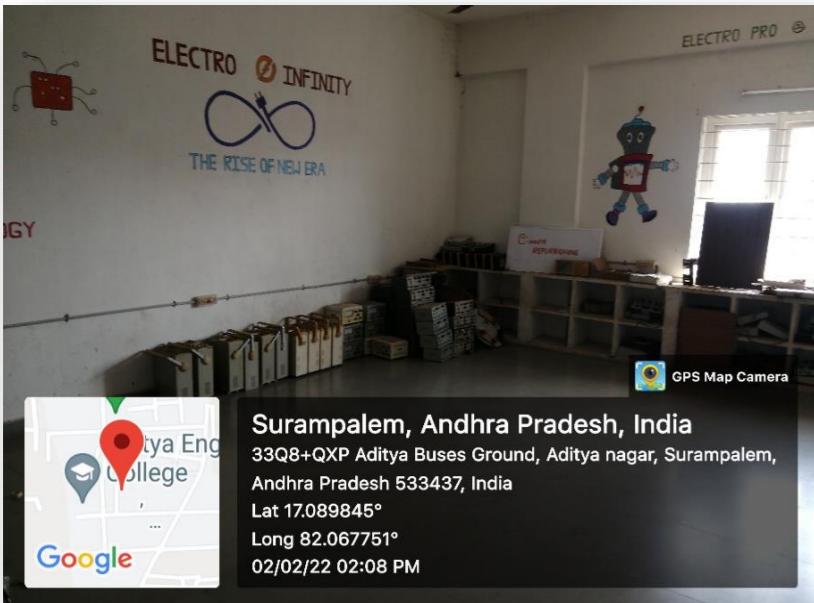




# FACILITIES FOR WASTE MANAGEMENT

## E-Waste Management

- Electronic goods are put to optimum use; minor repairs are set right by the Laboratory assistants and teaching staff. The major repairs are handled by Technical Assistants and reused.
- MoU with **Electropro Systems** to procure damaged computers and other non-reparable e-waste.



**E-waste Management**

## Liquid Waste Management

- Sewage Treatment Plant with a capacity of 1000 liters

## Biomedical Waste Management

- MoU with **EVB Technologies**.
- Every day biomedical waste is collected and disposed.



**Sewage Treatment Plant**



**Pond in the Institute**



# INCLUSIVE ENVIRONMENT

- Female Inspirational Awards
- Vanamahotsavam Week
- Vasanta Panchami
- Ganesh Chaturthi
- Onam
- Holi
- Pongal
- International Mother Language Day
- International Anti corruption Day
- National Unity Day
- National Voters Day
- International Women's Day
- International Yoga Day
- Independence Day
- Republic Day
- Engineers Day
- Teachers Day
- Ambedkar Jayanthi
- Gandhi Jayanthi



Female Inspirational Awards



Vanamahotsavam Week



National Voters Day



International Yoga Day



Vasanta Panchami



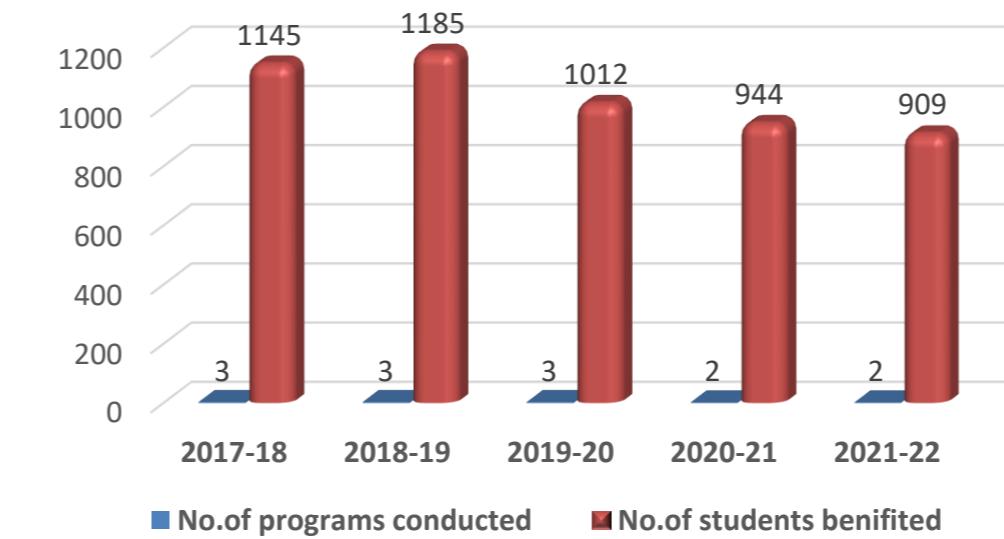
Christmas

## Best Practice 1 : Fostering Industry readiness in students

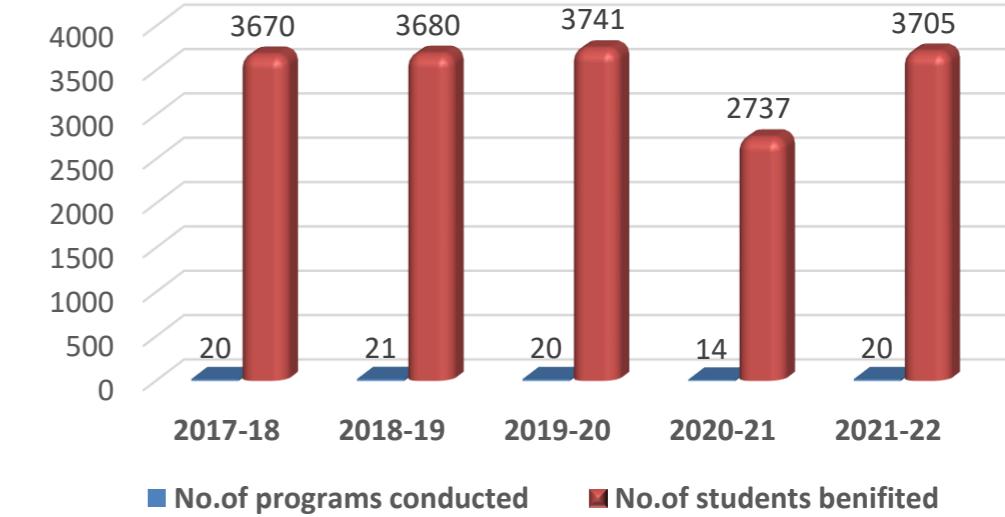
### Objectives:

- To foster the technical skills of students by imparting special training on various technologies.
- To build confidence in the students by developing communication skills.
- To make the students aware of the interview process by conducting mock interviews.
- To aim for the overall development of students with specific focus on academics, research, social service and management.

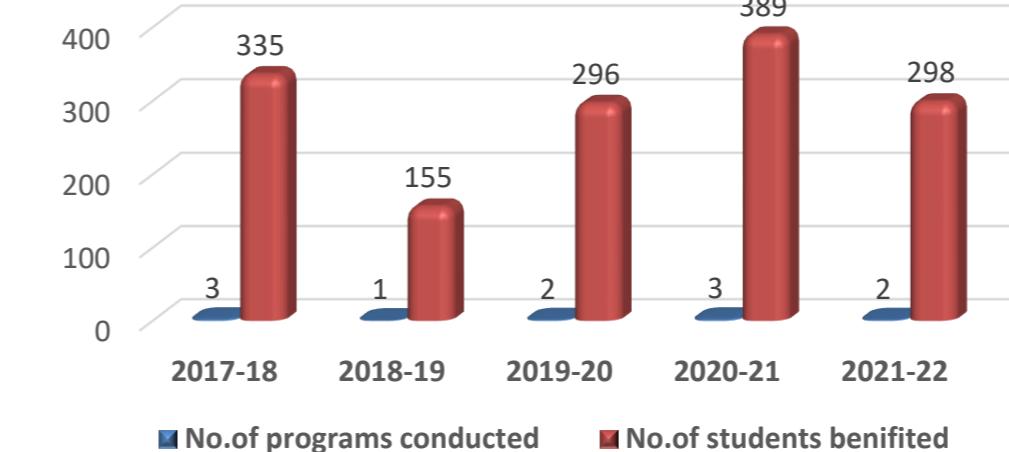
**Soft Skills**



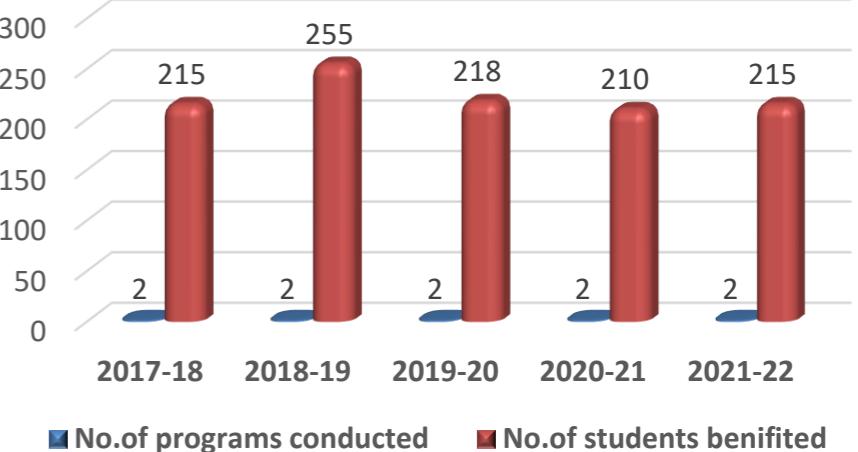
**Career Guidance**



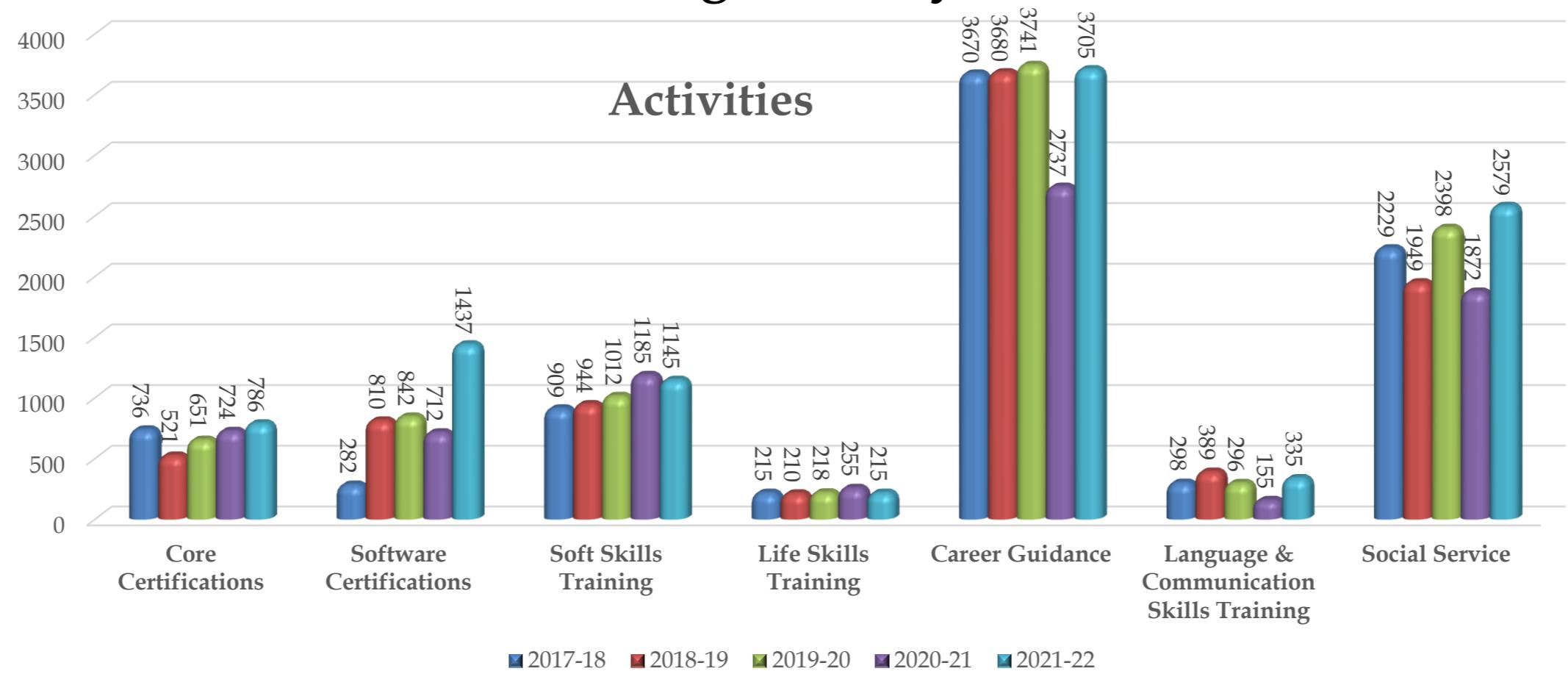
**Language & Communication Skills**



**Life Skills**



## Best Practice 1 : Fostering Industry readiness in students



Academic Year	Total Number of Students	No. of Companies Visited	No. of students Placed	Percentage of students Placed	Average Package (in LPA)	Highest Package (in LPA)
2021-22	1189	120	966	81.24	4.12	20.00
2020-21	1282	107	757	59.05	3.28	11.00
2019-20	1021	86	680	66.60	3.08	17.40
2018-19	1078	68	652	60.48	2.69	7.00
2017-18	1085	77	683	62.95	2.52	4.12

## Best Practice 2 : Green Campus for Ecological Neutrality

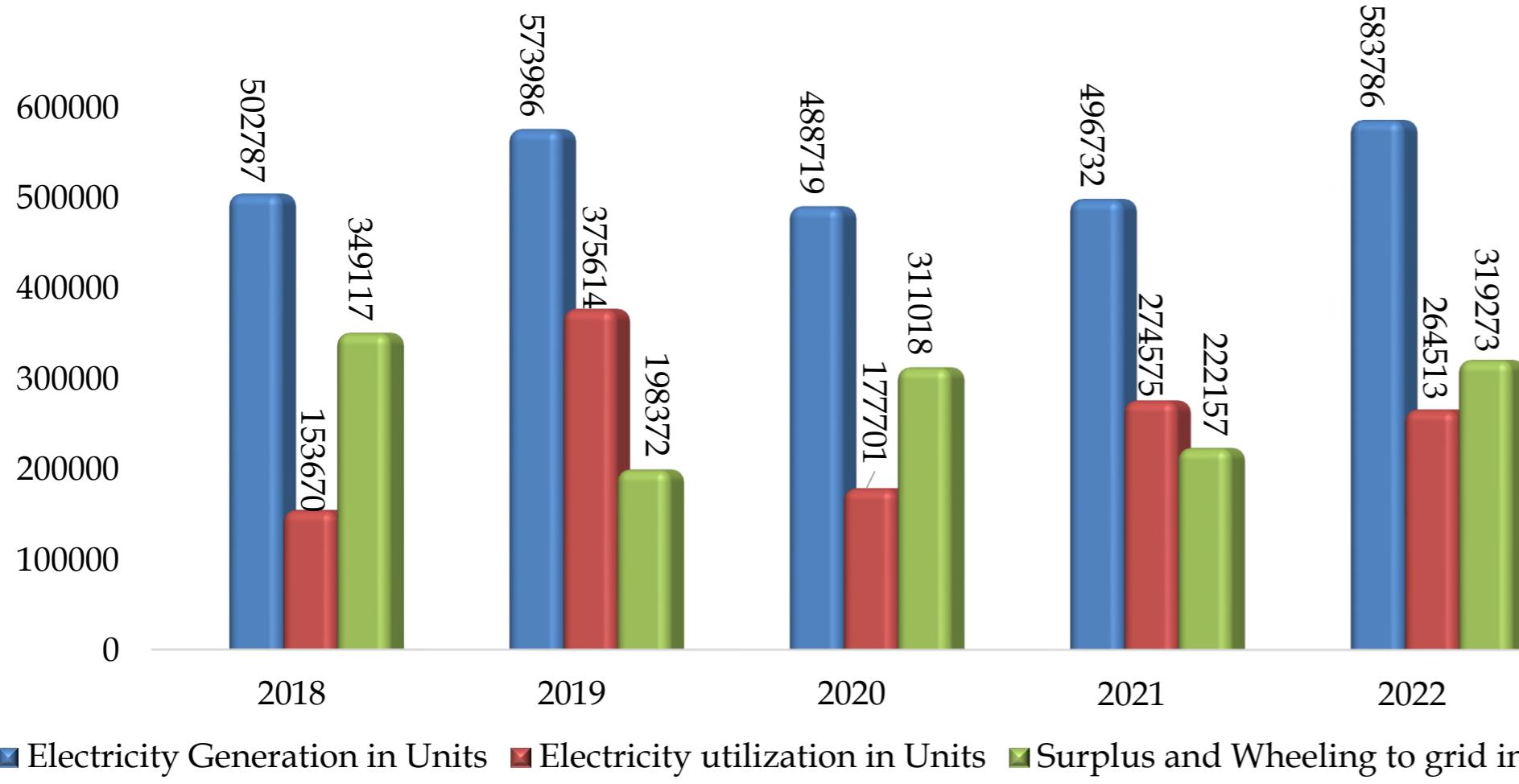
### Objectives:

- To achieve environmental sustainability through energy conservation, reducing carbon footprint and waste management.
- To sensitize all students and staff towards environment conservation.



## Best Practice 2 : Green Campus for Ecological Neutrality

### Solar Power Production, Utilization and Wheeling to Grid



■ Electricity Generation in Units ■ Electricity utilization in Units ■ Surplus and Wheeling to grid in Units



ADITYA ENGINEERING COLLEGE(A)





# INSTITUTIONAL DISTINCTIVENESS

## ➤ Teaching - Learning

- Focus on academic excellence through innovative teaching learning processes and implementation of OBE.

## ➤ Placements

- Focus on employability, skills development, coding skills, logical reasoning, aptitude and soft skills.

## ➤ Research

- Encouragement to participate in Conferences and Publish papers in reputed International Journals.

## ➤ Clean & Green Initiatives

- Focus on Swachh Bharath Abhiyan and rural development

## ➤ Extension & Outreach

- Focus on contributing in the growth and development of adopted villages.

## ➤ University Innovation Fellows Program

- Financial support for University Innovation Fellows program at Stanford University.



# INSTITUTIONAL DISTINCTIVENESS



1<sup>st</sup> prize : AICTE Chhatra Vishwakarma Award



1<sup>st</sup> runner-up at SIH 2022



Award receiving from CM of AP



UIF Program @ Stanford University



Utkrisht Sansthan Vishwakarma Award



## Future Plans

- To achieve NIRF Ranking below 100 by 2024
- To obtain accreditation for all eligible programs by 2024.
- To implement the National Education Policy (NEP) gradually from the 2023-24 academic year.
- To encourage our faculty to increase publications by 50% in peer reviewed journals by 2024
- To get at least 5 Crores Research funding by 2025
- To ensure that 100% of our faculty members have a Doctorate degree by 2026.
- To establish MoUs with foreign universities that have a QS rank below 100.
- To become a University



# THANK YOU

We Seek Your Suggestions & Valuable Support To Grow

A vibrant community @AEC