

ANNUAL QUALITY ASSURANCE REPORT OF THE IQAC

Submitted to
National Assessment and Accreditation Council
(NAAC)

Submitted by:



MAHENDRA ENGINEERING COLLEGE

(Autonomous)

**Mahendrapuri, Mallasamudram (West),
Tiruchengode (Taluk),
Namakkal District,
Tamilnadu – 637 503.**

September 2017
The Annual Quality Assurance Report (AQAR) of the IQAC
(July 1, 2016- June 30 2017)

Part – A

I. Details of the Institution

AQAR for the year 2016-2017

I. Details of the Institution

1.1 Name of the Institution	Mahendra Engineering College
1.2 Address Line 1	Salem – Tiruchengode Highway
Address Line 2	Mahendhirapuri, Mallasamudram West, Tiruchengode Taluk,
City/Town	Namakkal District.
State	Tamil Nadu
Pin Code	637503
Institution e-mail address	info@mahendrainstitutions.com
Contact Nos.	04288-288521, 288522
Name of the Head of the Institution:	Dr.M.Madheswaran
Tel. No. with STD Code:	04288-288610
Mobile:	94899 00070

Name of the IQAC Co-ordinator:

Dr.C.Dhavamani

Mobile:

9443099759

IQAC e-mail address:

iqac@mahendra.info

1.3 NAAC Track ID (For ex. MHCOGN 18879)

TNCOGN18572

OR

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC(SC)/02/A & A/130 DATED: 10/07/2014

1.5 Website address:

www.mahendra.info

Web-link of the AQAR:

<http://www.mahendra.info/aqar 2016-2017.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.06	2014	2014-2019
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC : DD/MM/YYYY

01/11/2012

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

i. **AQAR 2014-15 submitted to NAAC on 22- 03-2016**

ii. **AQAR 2015-16 submitted to NAAC on 07-11-2016**

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

YES

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

YES

UGC-Innovative PG programmes

Any other (*Specify*)

MSME - TBI

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

10

2.2 No. of Administrative/Technical staff

3

2.3 No. of students

2

2.4 No. of Management representatives

1

2.5 No. of Alumni

2

2.6 No. of any other stakeholder and

2

Community representatives

2.7 No. of Employers/ Industrialists

2

2.8 No. of other External Experts

-

2.9 Total No. of members

22

2.10 No. of IQAC meetings held : 3

2.11 No. of meetings with various stakeholders: No. Faculty
 Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

Applied

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

2.14 **Significant Activities and contributions made by IQAC**

- In order to conduct academic audit, a core committee comprising the Managing Director, the Principal, IQAC coordinator & Dean was constituted. The Academic Audit and Continual assessment was held on 10.12.2016
- **TASKS –Teacher Acclaimed Skills for Knowledge Sharing for teachers** (Theme: By the teachers for the teachers) was planned and 60 programs had been conducted.
- IQAC cell conducted , One Day workshop on **“Preparation of Research project Proposal”** on 14.12.2016; Resource person Dr.M.Kantha Babu, Director , Center for IPR, Anna University and Dr.P.Parthiban, Professor, NIT-Trichy.
- IQAC cell conducted, One day seminar on **“ Intellectual Property Rights and Innovations ”** on 17.03.2017; Resource person Dr.M.Kantha Babu, Director , Center for IPR, Anna University

- IQAC cell organized the following special lectures under the banner **Faculty Enrichment Programme Series (FEPS)** for the benefits the faculty members during May-June 2017
 1. **Dynamics of Classroom Communication : Shifting Gears** by Dr.Elango, HoD & Prof – Eng (Retd) from Anna University, Chennai on 11.05.2017
 2. **Professional and Personal life Balance (Proper-Life)** by Mr.T.Ragunath, Phycologist & Director –relax, Chennai on 17.05.2017 to 20.05.2017
 3. **Dynamics of Classroom Communication : Shifting Gears** by Dr.Elango, HoD & Prof – Eng (Retd) from Anna University, Chennai on 23.05.2017
 4. **Outcome Based Education Incorporating Blooms’s Taxonomy** , by Dr.P.S.Venkatramu, Dean-Internal Quality staff Development, REVA University, Bangaluru on 27.05.2017
 5. **Competency Development for students Employability Enhancement** , by shri.Thirunavukarasu, Senior Manager, Talent Transformation , Wipro Ltd, Chennai on 29.05.2017
 6. **Competency Development for students Employability Enhancement** , by Dr.Narendra kumar Hexaware Technologies, Chennai on 02.06.2017
 7. **Outcome Based Education Incorporating Blooms’s Taxonomy**, by Dr.G.Sadasivappa, HoD-ECE, R.V.College of Engg, Bangaluru on 03.06.2017
- **IQAC- AQAR college council meeting** was held on 30.06.2017 in which all the Heads of the departments made presentations.
- **IQAC newsletter** 2016-2017 was published
- Curriculum revamping – **Outcome Based Education** for 2016-17 batch - Developing a clear set of learning outcomes around which all the components of the system can be focused.
- Through **NPTEL chapters** at our campus – to have more e-content / free online courses for Students and faculty members.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Admission : All seats in UG, PG and Ph.D programmes should be filled up	Target Achieved
Result : Aim for more than 90 % Result	Pass percentage : UG : 82 % PG : 98 %
Extra Curricular Activities : Sports NCC NSS	<ul style="list-style-type: none"> ➤ Kho-Kho – 3rd place Anna University Zonal meet held on 26.08.2016. ➤ Republic Day camp and the Prime Minister’s Rally -2017 1st January 2017 to 29th January 2017 at New Delhi. ➤ RD launch-II camp 19th Dec 2016 to 28th Dec 2016 at Periyar Maniammai University, Vallam, Thanjavur ➤ RD launch-I camp 19th Dec 2016 to 18th Dec 2016 at Periyar Maniammai University, Vallam, Thanjavur ➤ National Integration Camp 15th Oct 2016 26th Oct 2016 at Udaipure ➤ Air force station visit, Sulur 18th January 2017 Sulur, Coimbatore ➤ Independence day parade, 15th August 2016 , Mahendra Engineering College ➤ Inter group competition camp, 20th Aug 2016 to 29th Aug 2016, Sengunthar Engineering College,

	<p>Tiruchengode.</p> <ul style="list-style-type: none"> ➤ NCC firing practice, 3rd Nov 2016, KSR College of Technology, Tiruchengode. ➤ NCC combined annual training camp cum IGC/VSC, 4th July 2016 to 13th July 2016, K.S.R College of Technology. Tiruchengode ➤ International yoga day 2016, 21st June 2017, Mahendra Engineering College, Mallasamudram. Organized Health care in the title “Tlainer Nalam Indiavin Nalam” and Blood Donation camp on 18.08.2016.
Co – Curricular Activities :	
Guest Lectures :	26 guest lectures were conducted
Paper Presentations :	169 papers were presented
Publications :	96 Journal paper were published
No of Seminars Workshops conducted :	155 seminars and workshops were conducted
Research Enrolment	3
No of scholars Completed Research Programme :	12

<p>Students Support Service :</p> <p>II year : Know How Training - English</p> <p>Synonyms, Antonyms , Verb, Preposition, Tense , Improving sentences, Spotting errors, Presentation skill</p> <p>III Year : KNACK Training</p> <p>Corporate Level Aptitude</p> <p>Body Language</p> <p>Interview Skills</p> <p>Emotional Intelligence</p> <p>IV Year : Take Ten Training</p> <p>Aptitude - GRE, GMAT, CAT level</p> <p>Professional Development Courses</p> <p>To enhance the domain skill the Finishing School Programme has been initiated</p> <ul style="list-style-type: none"> • C/C++ - L1 • STAADPRO • SOLID WORKS • AUTOCAD • MATLAB- <p>Students Skill Development</p> <p>Thought to Products :</p> <p>To enhance the students' practical knowledge, The students were motivated to do interdisciplinary</p>	<p>All training were conducted</p> <p>Programmes were conducted</p> <ul style="list-style-type: none"> • Industry Co-Teaching course (ICoT) • Inter Department Lecture (InDel) • Faculty Deeper learning Programme (FDLP) <p>Total 81 innovative ideas were received from students.</p>
---	--

<p>project under the concept of Thought to Products. Eighty one innovative ideas were received from various departments</p> <p>Centre for Foreign Language</p> <p>Online Course</p> <p>Got approved nodel center for online NPTEL certification course.</p>	<p>Japanese Language Proficiency Test (JLPT) : Language training started for 108 students and classes were conducted for level N5.</p> <p>Approximately 500- both students and faculty members were registered for NPTEL online certification course</p>
<p>All departments to maintain a database of industries to be used for internship and field training and also for doing projects.</p>	<p>Undertaken .</p> <p>Students' projects done in HAL, L&T, DRDO and some other reputed companies.</p>
<p>Alumni association to be activated further and Alumni data base to be updated and alumni relationship with the institution to be strengthened</p>	<p>Alma connect services engaged to develop alumni data base. Around 3000 Alumni got registered. Alumni meet was conducted at Chennai on 16.07.2016. Through the alumni meet some of the Alumni offered training and placement to our present students.</p>
<p>Projects One minor project and two major projects per department. All self financing departments to apply for Minor project.</p>	<p>Minor Projects : Applied : 12 Sanctioned : 3</p> <p>Major Projects : Applied : 8 Sanctioned : 2</p>
<p>Placement</p>	<p>No of student placed : 213</p> <ul style="list-style-type: none"> • Companies details : • Hexaware • TVS – Harita

	<ul style="list-style-type: none"> • Lexis Solutions • Tech Mahindra • Smart Resources • Amazon • Artech • Jade Global • VIP Hr Services • Xpanxion • Xento • Open Text • Yalli Media • Global Edge • PEL – Semicon • Texmo Industries • Strategi Automation • CLF - Structures Pvt. Ltd • METEC <p>Average Salary per Annum : Rs.20,000/-</p>
<p>E-content : To develop e-content for all subjects, both interesting and useful to the students.</p>	<p>All contents were uploaded in Mahednra Dash Board. Any time students can download the content.</p>
<p>Start-up and Business Incubation : To improve the creative mind and practical knowledge of the students Knowledge MSME –Business Incubator centre has been established to promote novel ideas among the students.</p>	<p>Ten proposals with the budget of 65 lakhs were submitted. Awaiting for result.</p>
<p>For faculty: Teachers Acclaimed Seminar for Knowledge Sharing (TASKS) Faculty Deeper Learning Programme (FDLP)</p>	<p>Around 92 TASK were conducted Around 36 FDLP programme were conducted Around 18 programmes conducted</p>

<p>Faculty Development Programme (FDP)</p> <p>Proficiency in English Language skill</p> <p>Academic training to the new faculty members</p>	<p>Proficiency skill in Listening, Reading , Common errors and Writing classes were conducted and also test were conducted.</p> <p>Pedagogy training has been given to our new faculties</p>
<p>Academic Achievements :</p> <p>To establish centre of excellence for each department</p> <p>To be among the top 10 colleges in Tamil Nadu.</p> <p>To impart and provide Industry based education</p> <p>Best Innovative practice : Mahendra- a Step ahead</p> <p>➤ To augment the enlightening and vitalizing academic atmosphere in</p>	<p>➤ Eleven centres of excellence were established.</p> <p>➤ ICT Academy has honoured our college with “Best Practices-Higher Education Tamilnadu-17” Award for best practice on Faculty Empowerment I higher education in Tamilnadu. A Compendium by ICT Academy on 25th Edition of “Bridge” on Feb 28, 2017</p> <p>➤ The Competition Success Review has ranked our college as 10th among all Engineering Colleges in Tamil Nadu and we have been ranked 12th among the promising Engineering Colleges of Excellence.</p> <p>➤ An "Innovative Campus Award" for encouraging students to submit more number of projects highlighting the importance of research and innovation by International Society for Scientific Research & Development, Bangalore (ISSRD).</p> <p>All Programmes were conducted</p>

<p>the campus , following events are being practised periodically .</p> <ul style="list-style-type: none"> • Mahendra International Lecture Series (MILeS) • Mahendra Alumni Lecture Series (MAILS) • Faculty Academic Contribution towards Excellence (FACE) • Mahendra Undergraduate Innovation Contest (MAGIC) 	
---	--

** Attach the Academic Calendar of the year as Annexure.*

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

PART-B

Criterion – I (2016-2017)

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	4	-	4	-
PG	11	-	11	-
UG	11	-	11	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	15
Others	-	-	-	-
Total	26	-	26	15

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

CBCS which includes Core, Elective and Open course options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	22
Trimester	-
Annual	-

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

****Please provide an analysis of the feedback in the Annexure***

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- Revision was made in Autonomous R-2015 curriculum and syllabi to make Industry ready graduates. Also Choice based credit system was introduced from the academic year 2015-16.
- R-2017 has been introduced and Curriculum & Syllabi have been revised accordingly.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

The following are the details of the Centre of Excellence established in the academic year 2016-2017

- Embedded System Design
- Food and Dairy Process Engineering
- Aircraft Simulation
- English Language with an updated software
- IOT Laboratories

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	294	272	11	8	3

2.2 No. of permanent faculty with Ph.D.

36

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
186	15	-	-	7	-	-	-	193	7

2.4 No. of Guest and Visiting faculty and Temporary faculty

55

-

-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	13	28	2
Presented papers	103	135	6
Resource Persons	3	13	4

2.6 Innovative processes adopted by the institution in Teaching and Learning:

The institution has introduced many innovative methods in teaching and learning process like industrial co-Teaching. Web enabled learning soft copy of learning materials uploaded in all students tablet-PCs. Having MoU with Wipro Learning form and conducted a programme such as Mission10. We have established totally eleven centre of excellence in this institution, also signed MoU with L&T form work and Harita-TVS.

2.7 Total No. of actual teaching days during this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Double Valuation

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

89.2

2.11 Course/Programme wise distribution of pass percentage:

UG	Pass %	PG	Pass %
EEE	78	ME(Communication System)	72
ECE	71.2	ME(VLSI)	95
EIE	57	ME(Control Systems)	100
CSE	92	M.E (CAD)	100
IT	83.4	M.E(CSE)	100
CIVIL	86	M.E.(CN)	72
MECH		MBA	95
MECH&AUTO	79.3	MCA	81
MCT	78.8	M.E(Structural)	85
AERO	78.2	M.E (CM)	90
AGRI	68.35	M.E (MF)	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- ✓ By conducting academic quality audit through interaction with each department and its documents.
- ✓ By resorting to remedial actions towards academic excellence.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	85
UGC – Faculty Improvement Programme	0
HRD programmes	20
Orientation programmes	41
Faculty exchange programme	2
Staff training conducted by the university	6

Staff training conducted by other institutions	73
Summer / Winter schools, Workshops, etc.	88
Others(confederation of Indian Industries -CII)	83

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	67	-	-	-
Technical Staff	39	-	2	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

1. Department of Electrical and Electronic Engineering, Electronics and Communication Engineering, Mechanical Engineering and Computer Science Engineering are the recognized Research Centres under Anna University, Chennai. There are a few faculty members doing research under this centre and more than twenty faculties serving as Research Guides under Anna University, Chennai.
2. Proposal submitted to DRDO on 08.08.2016 for getting seminar grant in the topic of National Seminar On “Nano Materials for Advanced Engineering Applications” – NMAEA 2016.
3. Proposal submitted to DST on 18.09.2016 for the award of symposia grant in the topic of A National level Technical Symposium on “ADVANCES IN ELECTRO MACHINING”
4. Proposal submitted to CSIR on 30.05.2017 for receiving the seminar grant in the topic of A Two Day National Level Technical Seminar On ““Importance of High Entropy Alloys in Engineering (IHEAE-2017)”.
5. Proposal submitted to CSIR on 30.05.2017 for receiving the seminar grant in the topic of A Two Day National Level Technical Seminar On “Bio-Materials and its application in Medical Science (BM2S)”. **(CSIR has sanctioned the Grant of Rs.30,000/-)**

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	1	6
Outlay in Rs. Lakhs	-	2.10 Lakhs	42. lakhs Recommended	97

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	1	-
Outlay in Rs. Lakhs	-	2.88	0.1	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	58	6	-
Non-Peer Review Journals	31	-	-
e-Journals	4	-	-
Conference proceedings	96	169	2

3.5 Details on Impact factor of publications:

Range	2.115-4.753	Average	3.54	h-index	31	Nos. in SCOPUS	12
-------	-------------	---------	------	---------	----	----------------	----

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	3 SERB2017-18	UGC New Delhi	Rs4.98 Lakhs	2.10
	2016-17	Council of Science and Industrial Research	Rs20000	-
Interdisciplinary Projects	2016-17	Science and Engineering Research Board (SERB) (statutory body) Department of Science & Technology(DST), Government of India	Rs75000	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	2016-2017	TNSCST	Rs10,000	Received
	2016-17	Tamilnadu state council for science and technology (TNSCST)	Rs10000	-
Any other(Specify)	-	-	-	-
Total	-	-	Rs 5.08 Lakhs	-

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges
Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	2	2	3	-	-
Sponsoring agencies	IEEE	-	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College
Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	1
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
9	-	1		7	1	-

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

19

55

3.19 No. of Ph.D. awarded by faculty from the Institution

9

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level International level

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC:

University level State level
National level International level

3.25 No. of Extension activities organized

University forum College forum
 NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

S. No.	Name of the event	Date(s) of the event	Venue of the event	Total Participant(s)
1	REPUBLIC DAY CAMP AND THE PRIME MINISTER'S RALLY -2017	1 st January 2017 to 29 th January 2017	New Delhi	1
2	RD LAUNCH-II CAMP	19 th Dec 2016 to 28 th Dec 2016	Periyar Maniammai University, Vallam, Thanjavur	1
3	RD LAUNCH-I CAMP	9 th Dec 2016 to 18 th Dec 2016	Periyar Maniammai University, Vallam, Thanjavur	1
4	NATIONAL INTEGRATION CAMP	15 th Oct 2016 to 26 th Oct 2016	Udaipur(Raj)	1
5	AIRFORCE STATION VISIT, SULUR	18 th January 2017	Sulur, Coimbatore	14
6	NCC FIRING PRACTICE	3 rd Nov 2016	KSR College of Technology, Tiruchengode	20
7	INDEPENDENCE DAY PARADE	15 th August 2016	Mahendra Engineering College	17
8	INTER GROUP COMPETITION CAMP	20 th Aug 2016 to 29 th Aug 2016	Sengunthar Engineering College, Tiruchengode	02
9	NCC FIRING PRACTICE	3 rd Nov 2016	KSR College of Technology, Tiruchengode	20
10	NCC COMBINED ANNUAL	4 th July 2016 to 13 th July 2016	K.S.R College of	35

	TRAINING CAMP cum IGC/VSC		Technology.Tiruchengode	
11	INTERNATIONAL YOGA DAY 2016	21 st June 2015	Mahendra Engineering College,Mallasamud	34

- Blood donation camp – Oct 2016 (Donation Camp)
- Yoga Camp on Yoga Day – November 2016

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

The campus area is 20.55 acre. The buildings, furniture and equipments are put to optimum use and are available for teaching-learning process and evaluation, co-curricular, extra-curricular, research and extension activities.

Facilities	Existing	Newly Created	Source of Fund	Total
Campus Area	20.55 acre	-	Management	20.55 acre
Class Rooms (Sq. m)	5875.00	-	Management	5875.00 Sq. m
Laboratories (Sq. m)	8907.00	-	Management	8907.00 Sq.m.
Seminar Halls(Sq. m)	3706.00	-	Management	3706.00 Sq.m.
No. of important equipments purchased (\geq 1-0lakh during the current year)	12	9	Management & DST Fund	17
Value of the equipments purchased during the year (Rs. in Lakhs)	4,099,870	24.56	Management & DST Fund	4,099,894.56

4.2 Computerization of administration and library:

An online system maintenance helpdesk module is installed in the Data Centre. If any problem arises in any of the computers, it is entered in a help desk and it is being taken care of by the Technical Team. This is monitored by the Director of Computer Centre. Every week the system manager gets a consolidated report for pending activities and of the working condition of the systems. Periodical pest control Measures are taken to maintain books and journals in the library in good condition.

- The library provides open access to staff and students.
- At the beginning of every semester, the Librarian addresses the students, explaining the
- Methods of using the library resources.
- Auto Lib software which facilitates the borrowing and issue of books quickly.
- Journals and magazines are kept in open racks.
- The librarian and five library assistants ensure the use and security of resources in the Library. CC TV has been installed in the library for security purpose.

4.3 Library services:

The college library has raised its resources up to 107,089 volumes. 7689 new books and 175 journals/magazines have been added to the existing resources in the Library. In order to enhance the resources in e-library, 250 new CDs and DVDs were purchased and added to the e-collection. DELNET service & Auto Lib software facilitates quicken the process of the borrowing and issue of books .

	Existing(1995- 2016)		Newly added 2016-17		Total	
	No.	Value	No.	Value	No.	Value
Text Books	88189	41203640	3201	1000850	91390	42204490
Reference Books	18900	2072450	500	175600	19400	2248050
Journals	1516	3199603	205	502453	1721	3702056
E – Resources (Delnet, Elseiver, NPTEL)	7850	732672	1275	489874	8125	1222546
CD & Video	5329	108275	350	-	5679	108275
Project Report	3069	-	200	-	3269	-
News Paper	7	241920	3	4320	10	246240

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centers	Computer Centers	Office	Departments
Existing	1260	13	50	2	1	15	25
Added	-	-	-	-	-	-	-
Total	1260	13	50	2	1	15	25

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

- Every department has been provided with computers, LCD and internet system.
- Expansion of E-technology has enhanced the use of computers in curriculum development, teaching-learning, evaluation and research.

- Students are encouraged to make use of computers for Power Point Presentations of their seminars and projects.
- Internet connectivity is given to all the departments. Internet browsing is available for teachers and students at the Internet Centre free of cost during the working hours of the library.

4.6 Amount spent on maintenance in lakhs:

i) ICT	16.96
ii) Campus Infrastructure and facilities	251.60
iii) Equipments	2.57
Total	271.13

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- ❖ IQAC has helped the Student Service Centre to establish Reception counter for providing necessary information , Xerox facility and Phone facility are also provided.
- ❖ Besides the Student Service Centre, a Co-operative Store, maintained by the Dept. of Commerce caters to the immediate needs of students.
- ❖ Financial assistance was extended to economically weaker students , personal counselling was given both by Counsellors and Teachers to minimize the dropout rate .
- ❖ Add-on courses for development of soft skills were offered.
- ❖ Mock Interviews were conducted at the departmental level.
- ❖ The institution publishes its updated prospectus and handbooks annually. The information content is disseminated to students at the beginning of every academic year.
- ❖ During Bridge Course, The IQAC Co-ordinator explains the salient aspects of the end semester examination planning of Choice Based Credit System.
- ❖ The Director of STAND and the Co-ordinators of extension service organizations explain the uses and benefits of performing extension activities. The Heads of Department explain the course material and question pattern.
- ❖ Detailed information was provided regarding various scholarships available and the procedure to be followed for availing the facilities .

5.2 Efforts made by the institution for tracking the progression

- ❖ The placement training programmes have been arranged each semester for the benefit of the students followed by arranging the placement drive by various reputed companies.
- ❖ Various technical related programmes are conducted for improving the technical skill and knowledge of the students.
- ❖ Each and every student is motivated through the mentor and the mentor will encourage the students to participate in all the co curricular and extracurricular activities.
- ❖ Every department maintains the progress register of all students.
- ❖ Add-on courses help students get employment opportunities.
- ❖ Tutors in the Tutor--Ward system and Counsellors provide necessary guidance to Students in the choice of their career.
- ❖ The Alumni/ae Association maintains consistent correspondence with alumni/ae.

- ❖ Marks scored in the Internal assessment tests and university examination are intimated to the parents.
- ❖ Feedback from the students, Parents and alumni are being collected and maintained regularly.
- ❖ Necessary remedial measures are introduced for the academic improvement.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2913	347	-	-

(b) No. of students outside the state

201

(c) No. of international students

NIL

Men	No	%	Women	No	%

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
401	326	10	2416	NIL	3153	386	453	20	2502	NIL	3361

Demand ratio 70 Dropout 0.23 %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

MOU with SAI IAS Academy

- ❖ Orientation Programmes for writing examinations such as GATE, GRE and TOEFL were organized by Entrepreneurship Development and Research Cell (ED & RC)
- ❖ Coaching classes for competitive examinations were conducted by SST.

No. of students beneficiaries

138

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text" value="3"/>	CAT	<input type="text" value="1"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text"/>	Others	<input type="text" value="15"/>

5.6 Details of student counselling and career guidance

- ❖ The Placement Cell is continuing its activities to guide the students towards meaningful jobs as the logical corollary to their educational pursuits.
- ❖ It is very gratifying to record that many students get employment after the completion of their studies on their own efforts.
- ❖ Efforts to propagate the idea of the need for training oneself for employment, honing one's skills and acquiring additional skills, especially communication skills, are the key activities of the Career Guidance and Placement Cell. In addition, the following are the initiatives during this academic year.

CAREER GUIDANCE :

- ❖ To begin with we arrange the orientation and career counselling for all the first year students
- ❖ Career guidance consists of the services which will be helpful to the students people successfully manage their future in a successful way.
- ❖ The aims and objectives of career guidance are :
 - Self understanding
 - Development of potentialities
 - Development of interest,
 - Problem solving, decision making
 - Interpersonal relationship
 - Setting goals educational, career, personal
 - Information seeking

COUNSELLING:

- ❖ Counselling focuses on student's growth and adjustment and its promotes problem solving and decision making skills.
- ❖ It is generally provided to individual students as per his/her requirement. However, sometimes a small group of students having similar concern are given group counselling.
- ❖ Counsellor will ensure your targets are realistic and will help students look for jobs that suit their expectations.

The Academic domain focuses on

- ❖ Improving study skills
- ❖ Improving attendance

- ❖ Identifying and overcoming barriers to academic learning (such as issues and problem related to attendance, discipline, health, family, peer pressure, language, barriers, learning disabilities, educational gaps, unsafe school environment, lack of interest, anxiety etc.).
- ❖ Motivation to learn
- ❖ Establishing purpose to the learning process

No. of students benefitted

509

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
47	750	252	50

5.8 Details of gender sensitization programmes

S.No	Name of the Program	Date	Resource Person
1.	“HEARTFULNESS MEDITATION”	27.06.2016	Mr.Srinivasan, Sri Ramachandra Mission, Salem.
2.	" WOMEN-AS ROLE MODEL "	19.07.2016	Thiru.A.S.Celine Augustine Mary BT Asst. /Dept of English, Salem-16.
3.	" KAYA KALPAM "	14.07.2016	Mrs.Shanthi Gnanavel, World Community Service Centre, Aliyar
4.	“SKY YOGA” (SIMPLIFIED KUNDALINI YOGA PRACTICE)	23.07.2016	Mrs.Shanthi Ganavel, Practitioner , World community Service center, Aliyar.
5.	“ WOMEN’S DAY CELEBRATION ‘17 ”	08.03.2017	Prof. N.Murugeswari, Professor Department of Women’s Studies, Bharathidasan University, Trichy
6.	“SATTA VIZHIPUNARVU	22.03.2017	Thiru.A.H.Elavalagan,B.Sc.,M.L, Chairman,Namakkal Thiru.A.M.Ravi,B.A.,B.L.,

	MUGHAAM”		Thiruchengode
--	----------	--	---------------

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level	<input type="text" value="27"/>	National level	<input type="text" value="12"/>	International level	<input type="text" value="-"/>
Zone level	<input type="text" value="7"/>				

No. of students participated in cultural events

State/ University level	<input type="text" value="12"/>	National level	<input type="text"/>	International level	<input type="text"/>
-------------------------	---------------------------------	----------------	----------------------	---------------------	----------------------

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level	<input type="text" value="15"/>	National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>
Zone level	<input type="text" value="4"/>				

Cultural: State/ University level	<input type="text" value="-"/>	National level	<input type="text"/>	International level	<input type="text"/>
-----------------------------------	--------------------------------	----------------	----------------------	---------------------	----------------------

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	622	11900000
Financial support from government	1755	11406680
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

1. Students wanted permission to use computer lab after college timings & Saturdays.
2. Students wanted permission to use Digital Library after college timings & Saturdays.
3. Hostel students wanted to change to the menu and timing in the hostel mess.
4. Provide 24 hours water circulation in college as well as hostel.
5. Provide adequate dustbins in college.
6. Inform available medical centre timings to us.
7. Provide projector facility for seminar classes.
8. Provide Library hour to use library daily (i.e library hour to be added in the timetable).

All these issues have been properly addresses to and steps have been taken to redress all their grievances.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

To be an international reputed Institute for Engineering, Technology and Management studies

Mission

- To ensure the optimal use of resources to educate the students and impart knowledge and skills.
- To provide conducive environment and facilities for learner centre education.
- To facilitate industry institute interaction in all domains of focus in campus.
- To encourage the faculties and students to carryout innovative research.
- To inculcate the team spirit among the faculties and students.
- To engage in academic and scholarly activities which would strengthen the national and international reputation.

6.2 Does the Institution has a management Information System

YES

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Curriculum Development

- Curriculum under Choice Based Credit System enables the Placement Cell to conduct Placement training so as to help students for acquiring the necessary soft skills leading to better employment opportunities.
- The Choice Based Credit System followed at present in the college facilitates a flexible and wide range of selection of suitable papers prescribed for their study.
- Communication and Soft Skills Based Elective courses, open elective and Industry based subjects are available to students irrespective of their major subjects.

6.3.2 Teaching and Learning

- College provides quality education in all disciplines ranging from Science and Humanities to Professional studies.
- Student creativity can be fostered.

- The college also organizes special teaching and coaching classes for those students to enhance their employability and competitive spirit
- Learning is based on context so generalizing learning to new contexts is not spontaneous but instead needs to be facilitated.
- In-basket training methodology for UG & PG students enables them to acquire the skills required by the corporate trend.
- Meaningful learning is initiated through guided teaching and guided library assignments, group discussion, seminars, debates, quiz, viva, mock interview etc.
- Focusing on research the college initiated research tasks for the students as a part of extra-curricular activity through project work, on-the-spot study, and survey.

6.3.3 Examination and Evaluation

Semester system with Continuous Internal Assessment (CIA) is followed.

- The Principal and the Heads of the various Departments monitor the performance of the students by making a through analysis after every internal test and end semester examination.
- The teachers make an analysis of the performance of students after every internal test and end semester examination in the Departmental Meetings.
- The performance of students is analyzed in the Academic Council meeting in every December and by the Governing Body meetings in March.
- Result passing board meeting is being conducted before publishing the results of the end semester examination in which a detailed analysis is carried out both at macro and micro levels.

6.3.4 Research and Development

During this academic year 260 research papers were published in National and International Journals. 112 papers were presented in International Conferences and 95 papers were presented in national Conferences and seminars. 08 research scholars have obtained their Ph. D. through the research centre of our college. 5 major projects and 3 minor projects were sanctioned by funding agencies. 172 teachers have participated in Orientation Programmes and Refresher Courses.

6.3.5 Library, ICT and physical infrastructure / instrumentation

1. Max. No of Books are issued to the students through Library book bank scheme (10 copies each student can borrow at a time.).
2. Orientation Programme is offered to our students.
3. Computerized digital library like OPAC, DELNET, NPTEL, etc) is provided.
4. Well –stacked library with a collection of more than 1 lakh volume books .
5. Question banks are provided for better preparations.
6. Up-to-date well balanced collection of non-book materials are provided in our library .
7. Reprography facility has available with nominal cost.
8. Library is having more than 15 computers for digital library services and scanners.
9. User convenient library timing has been provided convenient time slots.
10. Reference referral services are also provided.
11. Daily news update displayed in library notice board about current affairs, College News, etc.
12. Information about new arrivals of books, Journal content pages will send to department mails using LAN connection for their knowledge updating.
13. To assist research scholars, A good collections of project works & Thesis are placed in the department library .
14. Library having more than 15 computers for digital library services and scanners.
15. In our library, we also provide Self development books, English & Tamil fiction books for attracting the learning habits.
16. Conducted book fairs at our college.
17. Inaugurated Readers club at our college.
18. Bar coding facilities is used for easy accessing of books.
19. The campus is certified as on Eco-Friendly green campus.
20. Convenient time slots are user-friendly environment make ones preparation in the library all the more useful and employable.

6.3.6 Human Resource Management

- The Principal shall assess in the month of April every year the staff requirement for the subsequent academic year.
- Will obtain the staff requirement lists from all the Heads of departments and arrive at the number of faculty members, Lab assistants and administrative staff required with the following guidelines in mind.

- He will consider appointing a Professor to be the Head of every discipline, besides the number of Assistant Professors and Lectures required in accordance with the teacher student ratio prescribed herein.
- The teacher student ratio shall be **1:15** and for this purpose the Professor shall also be included in counting the number of teachers.
- He will appoint a selection panel committee for recruitment in each discipline, comprising of the Principal, HOD, and the Department's Advisors/Experts from the neighboring institutions.

6.3.7 Faculty and Staff recruitment

- The selection committee shall prepare a job description and job specification for the candidate to be recruited.
- The committee shall invite candidature in a ratio of 1:3 for every position to be filled from any or all of the following sources: Advertisements in the Newspapers, Files maintained for storing the unsolicited applications and References.
- If the committee deems it fit, may also conduct Walk in Interviews for augmenting the required candidates.
- The committee shall short list the candidates following processes of Personal interviews and class room demonstrations.
- The committee shall finalize the short listed candidates and submit their recommendations along with the personal data sheets of the candidates to the Chairman/ Managing Director who in turn will approve the decisions of the committee on the appointment.

6.3.8 Industry Interaction / Collaboration

- Barola Aerosports
- Harita Tvs Chennai
- Mangla Smart Energy Solutions Pvt. Ltd., Tirupur
- KCP Solar Industries, Salem
- General Electrical and Electronics Solutions, Salem
- RR Consultancy and Contractors
- Megawin Switchgear private Ltd
- Dimensions Structural Designs

- Barefoot Power India Pvt Ltd
- Faiveley Transport Rail Technologies India Limited
- G.K. Construction
- Steria Tech Chennai
- Inautix Technologies
- Sheffiled Hallam University, United Kingdom
- JPG Housing & Projects (P) Ltd

6.3.9 Admission of Students

- As per the Tamilnadu state Government of Technical Education, Admission rules and regulations, based on Counselling and Management quota are followed.
- There shall also be a merit-based, lateral admission of students having Diploma qualification to the second year of all the programmes at the College in accordance with the Government rules applicable for such admissions.
- The College website, prospectus and the curriculum design book contain information about the institution and the programmes offered. The prospectus that highlights the details of various programmes of the College is prepared every year prior to the commencement of admissions. The prospectus also gives details of eligibility norms for admission. It is given to the applicants along with the application form.
- A customized admission software package has been developed to facilitate the admission process.

6.4 Welfare schemes for

Teaching staff

- Accidental policy coverage is provided with a least premium of Rs.60.
- Loan facilities
- Flexible timings provided
- Contributory Provident Fund for management faculty
- Contribution towards medical insurance
- Maternity leave

- 50 % of the expenses borne by the Management for paper publications, attending national and international seminars & conferences held in India and abroad.
- Orientation and Faculty Development Programmes are organized by the Management
- Casual Leave , Medical Leave, Compensation leave

Non-Teaching staff

- School and College fees concessions are given to their Children
- Loan facilities
- Uniforms for the supportive staff
- Financial aid to educate the children of supportive staff
- Festival advance, Admissions, scholarships and fee concessions for daughters of administrative and supportive staff
- Refreshments during working hours for administrative staff
- Advance to meet emergency expenditure of the staff
- Contributory Provident Fund
- Contribution towards medical insurance.

Students:

- Several Scholarship schemes
- Trained and professional counsellors are available on campus to help in students' counselling
- Welfare activities such as disbursing scholarships, financial aid, free education and food tokens to the less privileged.
- Organized orientation programmes for the first year students on all matters relating to academics, student discipline and services
- Organized medical camp for students
- Several National/International seminars and Guest lectures organized.
- Multipurpose Gym, Fitness programmes, opportunities provided to participate in community oriented programmes, skill development programmes etc.
- Career Guidance provided for students to enhance their employability, in addition to providing information on job availability.
- Coaching classes for UPSC, Competitive Examinations, Foreign Language etc

- Placement programmes arranged with reputed organizations to help them get placed in corporate

6.5 Total corpus fund generated

10 Lakhs

6.6 Whether annual financial audit has been done

Yes

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO	Yes	IQAC
Administrative	Yes	ISO	Yes	IQAC

6.8 Does the University /Autonomous College declares result within 30 days?

For UG Programmes

Yes

No

For PG Programmes

Yes

No

6.9 What efforts are made by the University / Autonomous College for Examination Reforms?

- To enhance the student in-depth knowledge, objective questions are included in internal test and end semester examinations.
- Question papers set as per the Bloom's Taxonomy.
- The Office of the Controller of Examination carries out computerization of the entire examination system. On-line examination, on-line registration of examination forms and uploading the semester examination results are carried out as per schedule mentioned in the College Calendar.
- The examination application forms, allocation of register numbers and seating arrangements, hall tickets, processing of mark statement have been computerized.

6.10 What efforts are made by the University to promote autonomy in the affiliated /constituent colleges?

- The Academic and Administrative experts are involved in the Autonomous activities during the conduct of BoS(Board Of Study) meeting, governing body meeting academic council and examination process.
- The university provides all the necessary support to the college for autonomous activity.

6.11 Activities and support from the Alumni Association,

- **MAILS - Mahendra Alumni Interactive Lecture Series** – We are providing guest lecture to the students through our alumnus under this forum, 2 Lecture per semester in each department. Totally 57 lectures were organized during the academic year 2016- 2017.
- Alumni of our college extend a supporting hand in developing the skill set and placement activities of our students.
- Alumni are members in the Board of Studies of all departments.

6.12 Activities and Support from the Parent – Teacher Association

- After completing the internal exams, progress reports are sent to the parents and are invited to attend the meeting.
- Feedback is obtained from the parents in a structured format.
- During the Parent-Teacher Meetings the parents are informed of the academic progress of their wards and necessary remedial measures are suggested.
- Some of their useful suggestions have been implemented. To mention a few – improved facilities at the hostel, computer training to students pursuing non computer courses, skill oriented programmes, Programmes to improve language proficiency of students etc.

6.13 Development programs for support staff

- Computer Skill training
- Communication skills training
- Hands on training has been given to the Supporting staff to handle the instruments and first aid in the Laboratory under College Scheme.

- First Aid Programme
- Fire and safety measures

6.14 Initiatives taken by the institution to make the campus eco- friendly.

- Eco-friendliness in the campus is the policy of the college. Lawns and gardens are maintained with utmost care.
- Use of plastic materials is prohibited in the entire campus.
- College has been certified as per the ISO green environment policy No14001:2004.
- Rain water harvesting has been improved in the campus at a cost of Rs.1,00,000/-
- All infrastructure including building materials, doors, windows, black board, solar lights are made up of eco friendly products.
- Creating awareness among students to cultivate plants , and to avoid plastics through Community orientation programme.
- Waste water treatment plant was established with the cost of Rs.12 lakhs.
- Use of plastics in the campus has been prohibited following the mass campaigning by the Macro Miracle Club.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

The Institution has developed many Innovative Methodologies to improve the student's knowledge in various fields. They are...

7.1.1.INDUSTRIAL CO-TEACHING (ICOT)

Industrial Co-Teaching Courses are designed to facilitate the transfer of knowledge to the students by educating them with the support of industries. The content of the courses are derived in consultation with the industry experts. In general, the courses have three modules and the interested students can register one module per semester. The important aspect of the ICoT courses is to ensure that the advanced learning is happening in the area of interest which is offered by their department and other departments.

7.1.2. INTER DEPARTMENT LECTURE (InDeL)

The Inter Department Lecture Series is planned to create an interactive and dynamic interdisciplinary learning environment among various disciplines of Students. Integration of different subjects across various disciplines is expected to create a customized application in the domains of Students. In this regard InDel is expected to provide ample opportunities for interaction to enhance the technical knowledge.

7.1.3. Mahendra Under Graduate Innovation Contest (MAGIC)

Mahendra Under Graduate Innovation Contest is to identify the students with innovative ideas and provide them the financial support to implement the project. Mahendra educational trust motivates the students to participate in the event and exhibit their talent to win the seed money for the successful information of the project.

7.1.4. MAHENDRA ALUMNI LECTURE SERIES (MAILS)

Through MAILS the alumni working in various reputed organizations are invited to deliver a session through which their valuable knowledge , experience and hardship they faced are shared with the junior students. This provides an opportunity for the students to get internship and inplant training in their firm.

When the current scenario in the market and the expectation from the industry are shared by their own seniors (Alumni), its good impact on the students become all the more high and relevant.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year.

Academic calendar is prepared for every semester before commencement of semester. It indicates the activity to be carried out during entire semester.

7.3 Give two Best Practices of the Institution

7.3.1. Faculty Deeper Learning Programme (FDLP)

Major focus of Faculty Deeper Learning. Programme (FDLP) is to understand and upgrade the subject knowledge. It provides platform for the faculty members to master the core content to teach and learn further and to develop a strong foundation in the subjects. Further they share their intellectual ideas and concepts with their peers and seniors.

7.3.2 Teachers' Acclaimed Seminar for Knowledge Sharing (TASKS) is in practice

The ultimate intention is to encourage the faculty members to share the knowledge other than the academic area through which the confident level gets developed. It is like a seminar for the teachers and by the teachers.

In addition to the above programmes, the institution is also conducting other value added courses to the students such as

1. Lab view Academy Training
2. L&T Form work Training
3. Personality Development Programme for second and third year students
4. Know How Training.
5. KNOCK Training
6. CATIA

7. Competency Development Programme for first and Second year students

8. WIPRO Mission 10X

7.4 Contribution to environmental awareness / protection

The college has taken initiative steps to keep the college campus environment friendly.

7.4.1. Energy conservation

The transparent window facilitates the maximum utilization of natural light source in all the class rooms. The traditional lighting systems are replaced with CFL & LED lighting system. Students, Faculty and Staff members always ensure the electrical equipment “Switched off” when not in use. Encouraging the staff members and students to use staircases so as to minimize the use of elevator. Solar energy is used in the parking areas and other areas.

7.4.2. Use of renewable energy

Solar panels are installed to generate the electrical energy.

The college has bio-methanation reactor to minimize the LPG usage.

7.4.3. Water harvesting

The college has adequate facilities to collect the rain water which augments the ground water level.

7.4.4. Efforts for carbon neutrality

The college has made adequate arrangements for the parking of vehicles. Emission test certificates are mandatory for the vehicles in the campus. Cigarettes and tobacco products are strictly banned within 100 meters of the campus. Majority of the students are utilizing the college transportation facilities to minimize the individual transportation.

7.4.5. Plantation

The college organizes NSS camp periodically to inculcate the values of plantation among the students, faculties and public. **Our Institution is part of the “Green Kalam Project” and to create green campus, a large number of saplings have been planted.**



7.4.6. Effluent treatment and recycling plant

A well-equipped sewage water treatment plant was installed to treat waste water from the Institution.

7.5 Whether environmental audit was conducted?

The students, faculty and staff members are encouraged by the NSS unit to keep the campus always green by planting more trees. Though there is no formal green audit system, the entire building of the institution is designed by the architect in considering the maximum utilization of natural resources such as Light and Air and ventilation .

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Faculty Academic Contributions towards Excellence (FACE) & Credit Target (FACT)

To enhance the Research & Development and other promotional activities, our faculty based members on their experience have been given target for each semester in the areas like includes journal publications, International conference, Industry collaboration and so on. Besides self assessment, at the end of the every semester, the contribution will be assessed based on their achieved credit which necessarily motivates them to reach greater heights in the coming days.

8. Plans of institution for next year

1. To obtain NBA Accreditation for 3 departments
2. To apply and get assistance from UGC in the scheme of College with Potential for excellence
3. Arranging Abroad visit for our students and faculties
4. To establish Organic farms
5. To establish foreign University Tie-ups
6. To initiate Start-ups and commercialize the products
7. To establish Centre of Excellence for L&T frame work

Name : **Dr.C.DHAVAMANI**



Signature of the Coordinator, IQAC

Name : **Dr.M.MADHESWAREN**



Signature of the Chairperson, IQAC

Annexure – I

Extract of Working Days 2016-2017 (ODD)

MAHENDRA ENGINEERING COLLEGE (AUTONOMOUS), MAHENDHIRAPURU, NAMAKKAL-637 503					[For Students only]								
Extract of College Working Days for ODD Semester of Academic Year 2016-17					W.E.F: 06.06.2016								
(For III, V.V., B.E., and B.Tech. (IT), Degree Programmes)													
CWD	Day	Date	Academic Events	CWD	Day	Date	Academic Events	CWD	Day	Date	Academic Events		
01	Mon	08.05.16	Re-opening Day	Unit-I Starts	36	Tue	26.07.16		69	Wed	14.09.16		
02	Tue	07.06.16			37	Wed	27.07.16		70	Thu	15.09.16	Unit-V End	
03	Wed	08.06.16			38	Thu	28.07.16		71	Fri	16.09.16		
04	Thu	09.06.16			39	Fri	29.07.16			Sat	17.09.16	Holiday	
05	Fri	10.06.16				Sat	30.07.16	Holiday		Sun	18.09.16	Holiday	
	Sat	11.06.16	Holiday			Sun	31.07.16	Holiday		72	Mon	19.09.16	Model Practical Exam Commences
	Sun	12.06.16	Holiday		40	Mon	01.08.16		73	Tue	20.09.16		
06	Mon	13.06.16			41	Tue	02.08.16		74	Wed	21.09.16		
07	Tue	14.06.16			42	Wed	03.08.16	Unit-III End	75	Thu	22.09.16		
08	Wed	15.06.16			43	Thu	04.08.16	Unit-IV Starts	76	Fri	23.09.16		
09	Thu	16.06.16			44	Fri	05.08.16	Internal Test-II (Sub-1)		Sat	24.09.16	Holiday	
10	Fri	17.06.16				Sat	06.08.16	Holiday		Sun	25.09.16	Holiday	
	Sat	18.06.16	Holiday			Sun	07.08.16	Holiday		77	Mon	26.09.16	
	Sun	19.06.16	Holiday		45	Mon	08.08.16	Internal Test-II (Sub-2)	78	Tue	27.09.16		
11	Mon	20.06.16			46	Tue	09.08.16	Internal Test-II (Sub-3)	79	Wed	28.09.16		
12	Tue	21.06.16			47	Wed	10.08.16	Internal Test-II (Sub-4)	80	Thu	29.09.16	Model Theory Exam (Sub-1)	
13	Wed	22.06.16			48	Thu	11.08.16	Internal Test-II (Sub-5)	81	Fri	30.09.16	Model Theory Exam (Sub-2)	
14	Thu	23.06.16		Unit-I End	49	Fri	12.08.16	Internal Test-II (Sub-6)		Sat	01.10.16	Holiday	
15	Fri	24.06.16		Unit-II Starts		Sat	13.08.16	Holiday		Sun	02.10.16	Gandhi Jayanti-Holiday	
	Sat	25.06.16	Holiday			Sun	14.08.16	Holiday	82	Mon	03.10.16	Model Theory Exam (Sub-3)	
	Sun	26.06.16	Holiday			Mon	15.08.16	Independence Day-Holiday	83	Tue	04.10.16	Model Theory Exam (Sub-4)	
16	Mon	27.06.16	Internal Test-I (Sub-1)		50	Tue	16.08.16		84	Wed	05.10.16	Model Theory Exam (Sub-5)	
17	Tue	28.06.16	Internal Test-I (Sub-2)		51	Wed	17.08.16		85	Thu	06.10.16	Model Theory Exam (Sub-6)	
18	Wed	29.06.16	Internal Test-I (Sub-3)		52	Thu	18.08.16		86	Fri	07.10.16		
19	Thu	30.06.16	Internal Test-I (Sub-4)		53	Fri	19.08.16	Last date for End Sem Exam. Reg. with fees		Sat	08.10.16	Holiday	
20	Fri	01.07.16	Internal Test-I (Sub-5)			Sat	20.08.16	Holiday		Sun	09.10.16	Holiday	
	Sat	02.07.16	Holiday			Sun	21.08.16	Holiday		Mon	10.10.16	Ayudha Pooja -Holiday	
	Sun	03.07.16	Holiday		54	Mon	22.08.16			Tue	11.10.16	Vijaya Dassami -Holiday	
21	Mon	04.07.16	Internal Test-I (Sub-6)		55	Tue	23.08.16			Wed	12.10.16	Muharram -Holiday	
22	Tue	05.07.16			56	Wed	24.08.16			Thu	13.10.16	End Sem Practical Exam commences	
23	Wed	06.07.16				Thu	25.08.16	Krishna Jayanti-Holiday	87	Fri	14.10.16		
	Thu	07.07.16	Ramzan-Holiday		57	Fri	26.08.16		88	Sat	15.10.16	Holiday	
24	Fri	08.07.16	Supplementary Exam. Commences			Sat	27.08.16	Holiday		Sun	16.10.16	Holiday	
	Sat	09.07.16	Holiday			Sun	28.08.16	Holiday		Mon	17.10.16		
	Sun	10.07.16	Holiday		58	Mon	29.08.16		89	Tue	18.10.16	Last Working Day	
25	Mon	11.07.16			59	Tue	30.08.16		90	Wed	19.10.16		
26	Tue	12.07.16			60	Wed	31.08.16		91	Thu	20.10.16		
27	Wed	13.07.16			61	Thu	01.09.16		92	Fri	21.10.16		
28	Thu	14.07.16		Unit-II End	62	Fri	02.09.16			Sat	22.10.16	Holiday	
29	Fri	15.07.16		Unit-III Starts		Sat	03.09.16	Holiday		Sun	23.10.16	Holiday	
	Sat	16.07.16	Holiday			Sun	04.09.16	Holiday	94	Mon	24.10.16		
	Sun	17.07.16	Holiday		63	Mon	05.09.16	Vinayaga Shasthi	95	Tue	25.10.16		
30	Mon	18.07.16			64	Tue	06.09.16		96	Wed	26.10.16		
31	Tue	19.07.16			65	Wed	07.09.16		97	Thu	27.10.16		
32	Wed	20.07.16			66	Thu	08.09.16			Fri	28.10.16	Holiday	
33	Thu	21.07.16			67	Fri	09.09.16			Sat	29.10.16	Deepavali-Holiday	
34	Fri	22.07.16				Sat	10.09.16	Holiday		Sun	30.10.16	Holiday	
	Sat	23.07.16	Holiday			Sun	11.09.16	Holiday	98	Mon	31.10.16	End Semester Theory Exam Commences	
	Sun	24.07.16	Holiday		68	Mon	12.09.16		99	Tue	01.11.16		
35	Mon	25.07.16				Tue	13.09.16	Bakrid-Holiday	100	Wed	02.11.16		

CWD: Cumulative Working Days
 Note: 1. Syllabus for the Test : Test-I –Unit-I & II ; Test-II – Unit-III & IV ; Model Exam.- Full Syllabus
 2. Pattern of Test: a) Internal Test : 90 minutes duration - Part A: 10 x 1=10; B: 8 x 2 =16; C: 2 x 12 =24 Max. Marks - 50.
 b) Model Examinations similar to End sem. examinations pattern (Max. Marks, 100) (3 Hrs.) & Internal Marks will be awarded based on the performance in Attendance, Academic and Co-curricular.



Extract of Working Days 2016-2017 (Even)

MAHENDRA ENGINEERING COLLEGE (AUTONOMOUS), MAHENDHIRAPURI, NAMAKKAL - 637 503.

Extract of College Working Days for EVEN Semester of Academic Year 2016-2017.

(For IV,VI,VIII - Sem, B.E., & B.Tech. Degree Programmes)

[For STUDENTS Only]

W.E.F: 02.12.2016

CWD	Day	Date	Academic Events	CWD	Day	Date	Academic Events	CWD	Day	Date	Academic Events	
01	Fri	02.12.16	Classes Re-opening Day	Unit-I Starts	31	Wed	18.01.17	63	Mon	06.03.17	Internal Test-II (Sub-3)-FN, (Sub-4)-AN	
--	Sat	03.12.16	Holiday	32	Thu	19.01.17	Internal Test-I (Sub-1)-FN, (Sub-2)-AN	64	Tue	07.03.17	Internal Test-II (Sub-5)-FN, (Sub-6)-AN	
--	Sun	04.12.16	Holiday	33	Fri	20.01.17	Internal Test-I (Sub-3)-FN, (Sub-4)-AN	65	Wed	08.03.17		
02	Mon	05.12.16		--	Sat	21.01.17	Holiday	66	Thu	09.03.17		
03	Tue	06.12.16		--	Sun	22.01.17	Holiday	67	Fri	10.03.17		
04	Wed	07.12.16		34	Mon	23.01.17	Internal Test-I (Sub-5)-FN, (Sub-6)-AN	--	Sat	11.03.17	Holiday	
05	Thu	08.12.16		35	Tue	24.01.17		--	Sun	12.03.17	Holiday	
06	Fri	09.12.16		36	Wed	25.01.17		68	Mon	13.03.17		
--	Sat	10.12.16	Holiday	--	Thu	26.01.17	Republic Day -Holiday	69	Tue	14.03.17		
--	Sun	11.12.16	Holiday	37	Fri	27.01.17		70	Wed	15.03.17		
--	Mon	12.12.16	Milad-un-Nabi - Holiday	--	Sat	28.01.17	Holiday	71	Thu	16.03.17		
07	Tue	13.12.16		--	Sun	29.01.17	Holiday	72	Fri	17.03.17		
08	Wed	14.12.16		38	Mon	30.01.17		--	Sat	18.03.17	Holiday	
09	Thu	15.12.16		39	Tue	31.01.17		--	Sun	19.03.17	Holiday	
10	Fri	16.12.16		40	Wed	01.02.17		73	Mon	20.03.17		
--	Sat	17.12.16	Holiday	41	Thu	02.02.17		74	Tue	21.03.17		
--	Sun	18.12.16	Holiday	42	Fri	03.02.17		75	Wed	22.03.17	Lecture Handouts & Logbook Verification-V	
11	Mon	19.12.16		--	Sat	04.02.17	Holiday	76	Thu	23.03.17	Model Theory Exam (Sub-1)	
12	Tue	20.12.16		--	Sun	05.02.17	Holiday	77	Fri	24.03.17	Model Theory Exam (Sub-2)	
13	Wed	21.12.16		43	Mon	06.02.17		--	Sat	25.03.17	Holiday	
14	Thu	22.12.16		44	Tue	07.02.17		--	Sun	26.03.17	Holiday	
15	Fri	23.12.16		45	Wed	08.02.17		78	Mon	27.03.17	Model Theory Exam (Sub-3)	
--	Sat	24.12.16	Holiday	46	Thu	09.02.17		79	Tue	28.03.17	Model Theory Exam (Sub-4)	
--	Sun	25.12.16	Christmas -Holiday	47	Fri	10.02.17	Lecture Handouts & Logbook Verification-III	--	Wed	29.03.17	Telugu New Year -Holiday	
16	Mon	26.12.16		--	Sat	11.02.17	Holiday	80	Thu	30.03.17	Model Theory Exam (Sub-5)	
17	Tue	27.12.16	Lecture Handouts & Logbook Verification-I	--	Sun	12.02.17	Holiday	81	Fri	31.03.17	Model Theory Exam (Sub-6)	
18	Wed	28.12.16		48	Mon	13.02.17		--	Sat	01.04.17	Holiday	
19	Thu	29.12.16		49	Tue	14.02.17		--	Sun	02.04.17	Holiday	
20	Fri	30.12.16		50	Wed	15.02.17		82	Mon	03.04.17	Hall Ticket Issue	
--	Sat	31.12.16	Holiday	51	Thu	16.02.17		83	Tue	04.04.17		
--	Sun	01.01.17	New Year -Holiday	52	Fri	17.02.17		84	Wed	05.04.17	End Sem. Practical Exam. Commences	
21	Mon	02.01.17		--	Sat	18.02.17	Holiday	85	Thu	06.04.17		
22	Tue	03.01.17		--	Sun	19.02.17	Holiday	86	Fri	07.04.17		
23	Wed	04.01.17		53	Mon	20.02.17		--	Sat	08.04.17	Holiday	
24	Thu	05.01.17		54	Tue	21.02.17		--	Sun	09.04.17	Mahaveer Jayanthi- Holiday	
25	Fri	06.01.17		55	Wed	22.02.17	Last date for Reg. of End Sem Exam with fee	87	Mon	10.04.17		
--	Sat	07.01.17	Holiday	56	Thu	23.02.17		88	Tue	11.04.17		
--	Sun	08.01.17	Holiday	57	Fri	24.02.17		89	Wed	12.04.17		
26	Mon	09.01.17		--	Sat	25.02.17	Holiday	90	Thu	13.04.17	Last Working Day	
27	Tue	10.01.17		--	Sun	26.02.17	Holiday	--	Fri	14.04.17	Tamil New Year-Holiday	
28	Wed	11.01.17		58	Mon	27.02.17		--	Sat	15.04.17	Holiday	
29	Thu	12.01.17		59	Tue	28.02.17		--	Sun	16.04.17	Holiday	
--	Fri	13.01.17	Bhogi Pongal - Holiday	60	Wed	01.03.17		91	Mon	17.04.17	End Sem.Theory Exam. Commences	
--	Sat	14.01.17	Thai Pongal -Holiday	61	Thu	02.03.17	Lecture Handouts & Logbook Verification-IV	92	Tue	18.04.17		
--	Sun	15.01.17	Thiruvallur Day-Holiday	62	Fri	03.03.17	Internal Test-II (Sub-1)-FN, (Sub-2)-AN	93	Wed	19.04.17		
--	Mon	16.01.17	Uzhavar Thirunal-Holiday	--	Sat	04.03.17	Holiday	94	Thu	20.04.17		
30	Tue	17.01.17		Unit-III Starts	--	Sun	05.03.17	Holiday	95	Fri	21.04.17	

1. CWD: Cumulative Working Days Note: 1. Syllabus for the Test : Internal Test-I : Unit-I & II, Internal Test-II : Unit-III & IV, Model Exam- All 5 Units.

2. Pattern of Tests: a)Internal Test : 90 minutes duration - Part A: 10 x 1 =10; B: 8 x 2 =16 ;C:2 x 12 = 24, Max. Marks -50.b)Model Examinations similar to End Semester Examination pattern (Max. Marks. 100) (3Hrs)

3. Internal Marks will be awarded based on the performance in Attendance, Academic and Co-Curricular activities